



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Laboratory

Environmental Services Branch
10625 Fallstone Road, Houston, TX 77099
Phone: (281)983-2100 Fax: (281)983-2248

Final Analytical Report

Site Name -----Delta Shipyard

Sample Collection Date(s)-- 08/06/12 - 08/09/12

Contact----- Brenda Cook (6SF-RA)

Report Date----- 09/24/12

Project #----- 12SF149

Work Order(s)----- 1208003

1208005

1208006

1208007

Analyses included in this report:

ABN CLP Routine List

Metals ESAT Mercury CLP

Metals ICP CLP

Metals ICP/MS CLP

P/P CLP Routine List

Solids, Dry Weight

VOA CLP Routine List

Report Narrative

Volatiles:

Solids:

Due to inconsistent concentrations between analyses, the following compounds are qualified as estimated:

1208003-01 - m/p-Xylene

1208003-03 - All reported targets except Acetone

1208003-06 - Acetone

Dichlorodifluoromethane (DCDFM) fails significantly low in BS1. DCDFM and Chloroethane fail significantly low in BS2. The reporting limits (RLs) were raised in the associated samples to ensure non-detects are accurate. Absence or presence at the lower RL could not be verified.

Cyclohexane and Methylcyclohexane fail high in BS1. These targets are qualified as estimated in the associated samples due to failures.



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Report Narrative (cont'd)

Liquid:

Two analytes fail low in the BS but were not found in the sample.

Semi-volatiles:

There were significant matrix interferences due to a large amount of unresolved hydrocarbons present in each sample. Most analytes have qualifications.

The following samples have one or more surrogates out of QC limits; associated targets are reported from dilutions where the surrogate is acceptable or the associated results are qualified as estimated:

1208003-01 Nitrobenzene-d5 and 2,4,6-Tribromophenol fail high

1208003-03 Terphenyl-d14 fails low

1208003-04, 1208005-06, 1208005-07 and 1208006-06 Nitrobenzene-d5 fails high

1208005-03 and 1208005-05 2-Fluorobiphenyl fails high

1208005-08 Nitrobenzene-d5 and 2-Fluorobiphenyl fail high

Acenaphthene is reported as a non-detect for several samples with the RL from the dilution. This compound could not be identified in the x1 but appears to be present below the quantitation limit in the dilution (would be greater than x1 reporting limit).

The following samples have compounds reported as estimated because the associated ISTDs are outside QC limits: 1208003-01, 1208003-03, 1208003-06, 1208005-06, 1208005-07, 1208005-08.

Three analytes are qualified as estimated in sample 1208005-04 due to inconsistent concentrations found between source, MS and MSD.

Anthracene is qualified as estimated in sample 1208003-03 because it is not resolved from Phenanthrene and could not be reported from the dilution.

Dibenzofuran is qualified as estimated with a tentative identification in sample 1208005-05 due to matrix interferences and failing surrogate.

2-Methylnaphthalene is qualified as estimated in sample 1208005-05 due to inconsistent concentrations found between analyses.

The dilution was used for reporting sample 1208003-05. The x1 was not usable due to multiple QC failures and chromatography problems.

Pesticde/PCB:

Due to significant matrix interferences, some pesticide analyses had to be reported using the dilution. The x1 was not usable due to analyte suppression and retention time shifting.

Interferences at the expected retention time of the target required that many RLs be raised to ensure that non-detects are accurate. Absence or presence at the lower RL could not be verified. RLs were also taken from analyses of additional cleanups where possible to achieve the lowest

Report Narrative (cont'd)

possible RL.

Most Aroclors that are reported are qualified as estimated or estimated with a tentative identification due to matrix interferences. The estimations are due to inconsistent peak concentrations. The tentative identifications are due to retention time shifting that made pattern matching very difficult. Many RLs were raised due to interferences.

The surrogate TCMX fails low in samples 1208003-02 and 1208003-03 due to losses during the concentration step. The more volatile targets were not found at >1/3 the reporting limit. The surrogate DCB fails high in sample 1208003-05. There were no targets reported in the sample. This surrogate also fails high in 1208005-07. Aroclor 1016 is already qualified as estimated in this sample.

B2H0901-BLK1/BS1/MS1/MSD1: TCMX fails low. Two analytes fail low in BS1. One analyte fails low in MSD1. None were found in the associated samples.

ICP-MS:

Batch: B2H2205:

MS1/MSD1: Antimony and thallium recoveries are outside acceptance limits; the corresponding results are qualified as estimated.

Lead sample results exceed the spike added concentration by a factor of four and cannot be reliably calculated.

MS2/MSD2: Antimony recovery is outside acceptance limits; the corresponding result is qualified as estimated. The sample result for lead exceeds the spike added concentration by a factor of four or more and cannot be reliably calculated.

MS3/MSD3: Antimony recovery is outside the acceptance limits; the corresponding result is qualified as estimated. The RPD for arsenic exceeds the acceptance limit of 20%, likely due to non-homogeneous sample matrix.

Mercury:

Batch: B2H2206:

MS1/MSD1: The sample result for mercury exceeds the spike added concentration by a factor of four or more and cannot be reliably calculated.

MS2/MSD2: The RPD for mercury exceeds the acceptance limit of 20%, likely due to non-homogeneous sample matrix.

ICP:

Batch: B2H2002:

MS1/MSD1/MS2/MSD2: Aluminum recovery is outside the acceptance limits; the corresponding

Report Narrative (cont'd)

results are qualified as estimated.

Batch: B2H2004:

MS1/MSD1: Silver, calcium, and barium recoveries are outside the acceptance limits; the results are qualified and are estimated. Aluminum, chromium, iron, manganese, and zinc sample results exceed the spike added concentrations by a factor of four or more and cannot be reliably calculated.

MS2/MSD2: Chromium, manganese, and zinc recoveries are outside the acceptance limits; the corresponding results are qualified as estimated. Aluminum, barium, and iron sample results exceed the spike added concentrations by a factor of four or more and cannot be reliably calculated.

The RPD for chromium exceeds the acceptance limit of 20%, likely due to non-homogeneous sample matrix.

MS3/MSD3: Silver recovery is outside the acceptance limits; the corresponding result is qualified as estimated.

Aluminum, iron, and manganese sample concentrations exceed the spike concentrations added by a factor of four or more and cannot be reliably calculated.

SRM1: Silver recovery in this control sample is higher than the acceptance limits; the samples with reportable concentrations are qualified and may be biased high.

Standard procedures for quality assurance and quality control were followed in the analysis and reporting of the sample results. The results apply only to the samples tested. This final report should only be reproduced in full.

Reporting limits are adjusted for sample size and matrix interference.

Report Approvals:

Richard McMillin
Region 6 Laboratory Manager

David Neleigh
Region 6 Laboratory Branch Chief



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Environmental Services Branch Laboratory

10625 Fallstone Road
Houston, Texas 77099

Sample Receipt and Disposal

Site Name: Delta Shipyard

Project Number: 12SF149

Data Management Coordinator: Christy Warren

/ /

Data Management Coordinator Signature

Date

Date Transmitted: ____/____/_____

Please have the U.S. EPA Project Manager/Officer call the Data Management Coordinator at 3-2137 for any comments or questions.

Please sign and date this form below and return it with any comments to:

Christy Warren
Data Management Coordinator
Region 6 Laboratory
6MD-HS

____/____/_____

Received by and Date

Comments:

The laboratory routinely disposes of samples 90 days after all analyses have been completed. If you have a need to hold these samples in custody longer than 90 days, please sign below.

Signature

Date

Please provide a reason for holding:



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ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
DSE-02-120-413	1208003-01	Solid	8/6/12 17:25	08/08/12 08:50
DSE-02-144-413	1208003-02	Solid	8/6/12 17:25	08/08/12 08:50
DSE-02-24-413	1208003-03	Solid	8/6/12 16:40	08/08/12 08:50
DSE-02-48-413	1208003-04	Solid	8/6/12 16:40	08/08/12 08:50
DSE-02-72-413	1208003-05	Solid	8/6/12 17:10	08/08/12 08:50
DSE-02-96-413	1208003-06	Solid	8/6/12 17:10	08/08/12 08:50
DC-01-00-111	1208005-01	Liquid	8/8/12 9:30	08/09/12 09:15
DC-01-03-611	1208005-02	Solid	8/8/12 9:40	08/09/12 09:15
DSE-01-120-413	1208005-03	Solid	8/8/12 16:05	08/09/12 09:15
DSE-01-144-413	1208005-04	Solid	8/8/12 16:05	08/09/12 09:15
DSE-01-24-413	1208005-05	Solid	8/8/12 15:24	08/09/12 09:15
DSE-01-48-413	1208005-06	Solid	8/8/12 15:24	08/09/12 09:15
DSE-01-72-413	1208005-07	Solid	8/8/12 15:47	08/09/12 09:15
DSE-01-96-413	1208005-08	Solid	8/8/12 15:47	08/09/12 09:15
HNC-01-00-112	1208005-09	Liquid	8/8/12 11:30	08/09/12 09:15
HNC-02-00-112	1208005-10	Liquid	8/8/12 11:00	08/09/12 09:15
HNC-03-00-112	1208005-11	Liquid	8/8/12 10:30	08/09/12 09:15
HNC-03-03-612	1208005-12	Solid	8/8/12 10:40	08/09/12 09:15
HNC-04-00-112	1208005-13	Liquid	8/8/12 10:00	08/09/12 09:15
HNC-04-03-612	1208005-14	Solid	8/8/12 10:10	08/09/12 09:15
BLC-04-00-112	1208005-15	Liquid	8/8/12 15:05	08/09/12 09:15
BLC-04-03-612	1208005-16	Solid	8/8/12 15:15	08/09/12 09:15
HNC-01-03-611	1208005-17	Solid	8/8/12 11:45	08/09/12 09:15
HNC-02-03-611	1208005-18	Solid	8/8/12 11:10	08/09/12 09:15
HNC-05-00-112	1208005-19	Liquid	8/8/12 8:30	08/09/12 09:15
HNC-05-03-612	1208005-20	Solid	8/8/12 8:50	08/09/12 09:15
BLC-01-03-611	1208006-01	Solid	8/9/12 9:40	08/10/12 08:40
BLC-02-03-611	1208006-02	Solid	8/9/12 9:15	08/10/12 08:40
BLC-03-03-612	1208006-03	Solid	8/9/12 8:40	08/10/12 08:40
DSE-03-24-413	1208006-04	Solid	8/9/12 18:15	08/10/12 08:40
DSE-03-24-445	1208006-05	Liquid	8/9/12 14:30	08/10/12 08:40
DSE-03-48-413	1208006-06	Solid	8/9/12 18:15	08/10/12 08:40
MPC-01-03-611	1208006-07	Solid	8/9/12 8:30	08/10/12 08:40
BLC-02-00-111	1208006-08	Liquid	8/9/12 9:10	08/10/12 08:40
BLC-01-00-111	1208006-09	Liquid	8/9/12 9:30	08/10/12 08:40



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ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
CC-04-00-112	1208006-10	Liquid	8/9/12 9:55	08/10/12 08:40
CC-04-00-122	1208006-11	Liquid	8/9/12 10:05	08/10/12 08:40
CC-01-00-111	1208006-12	Liquid	8/9/12 11:10	08/10/12 08:40
CC-02-00-112	1208006-13	Liquid	8/9/12 10:50	08/10/12 08:40
CC-03-00-112	1208006-14	Liquid	8/9/12 10:30	08/10/12 08:40
MPC-01-00-111	1208007-01	Liquid	8/9/12 8:15	08/10/12 10:30
BLC-03-00-112	1208007-02	Liquid	8/9/12 8:35	08/10/12 10:30
CC-04-03-612	1208007-03	Solid	8/9/12 10:00	08/10/12 10:30
CC-04-03-622	1208007-04	Solid	8/9/12 10:10	08/10/12 10:30
CC-03-03-612	1208007-05	Solid	8/9/12 10:35	08/10/12 10:30
CC-02-03-612	1208007-06	Solid	8/9/12 11:00	08/10/12 10:30
CC-01-03-611	1208007-07	Solid	8/9/12 11:15	08/10/12 10:30



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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-01

Batch: B2H0905

Sample Type: Solid

Station ID: DSE-02-120-413

Date Collected: 08/06/12

Sample Wt: 5.003g

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	48.3		96.6	82-120	08/09/12	08/09/12
Surr: Toluene-d8	47.1		94.2	81-116	"	"
Surr: 4-Bromofluorobenzene	53.0		106	80-116	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U	RL	750	50	08/09/12	08/09/12
Chloromethane (74-87-3)	U		250	"	"	"
Vinyl chloride (75-01-4)	U		99.9	"	"	"
Bromomethane (74-83-9)	U		250	"	"	"
Chloroethane (75-00-3)	U		99.9	"	"	"
Trichlorofluoromethane (75-69-4)	U		99.9	"	"	"
1,1-Dichloroethene (75-35-4)	U		99.9	"	"	"
Carbon disulfide (75-15-0)	U		99.9	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		99.9	"	"	"
Acetone (67-64-1)	U		500	"	"	"
Methylene chloride (75-09-2)	U		99.9	"	"	"
Methyl acetate (79-20-9)	U		250	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		99.9	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		99.9	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		99.9	"	"	"
1,1-Dichloroethane (75-34-3)	U		99.9	"	"	"
2-Butanone (78-93-3)	U		250	"	"	"
Chloroform (67-66-3)	U		99.9	"	"	"
1,2-Dichloroethane (107-06-2)	U		99.9	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		99.9	"	"	"
Cyclohexane (110-82-7)	250	J	99.9	"	"	"
Carbon tetrachloride (56-23-5)	U		99.9	"	"	"
Benzene (71-43-2)	U		99.9	"	"	"
Trichloroethene (79-01-6)	U		99.9	"	"	"
Methylcyclohexane (108-87-2)	1,100	J	99.9	"	"	"
1,2-Dichloropropane (78-87-5)	U		99.9	"	"	"
Bromodichloromethane (75-27-4)	U		99.9	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-01

Batch: B2H0905

Sample Type: Solid

Station ID: DSE-02-120-413

Date Collected: 08/06/12

Sample Wt: 5.003g

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		99.9	50	08/09/12	08/09/12
trans-1,3-Dichloropropene (10061-02-6)	U		99.9	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		99.9	"	"	"
Dibromochloromethane (124-48-1)	U		99.9	"	"	"
Bromoform (75-25-2)	U		99.9	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		250	"	"	"
Toluene (108-88-3)	445		99.9	"	"	"
Tetrachloroethene (127-18-4)	U		99.9	"	"	"
2-Hexanone (591-78-6)	U		250	"	"	"
1,2-Dibromoethane (106-93-4)	U		99.9	"	"	"
Chlorobenzene (108-90-7)	U		99.9	"	"	"
Ethylbenzene (100-41-4)	677		99.9	"	"	"
meta-/para-Xylene (na)	2,920	J	200	"	"	"
ortho-Xylene (95-47-6)	1,470		99.9	"	"	"
Styrene (100-42-5)	U		99.9	"	"	"
Isopropylbenzene (98-82-8)	354		99.9	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		99.9	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		99.9	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		99.9	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		99.9	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		250	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		250	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-01

Batch: B2H0902

Sample Type: Solid

Date Collected: 08/06/12

Sample Wt: 5.269g

%Solids: 53.19

Station ID: DSE-02-120-413

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg (dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: 2-Fluorophenol</i>	18,000		67.3	38-101	08/09/12	08/13/12
<i>Surr: Phenol-d5</i>	20,400		76.1	42-105	"	"
<i>Surr: 2-Chlorophenol-d4</i>	17,400		65.1	40-100	"	"
<i>Surr: 1,2-Dichlorobenzene-d4</i>	11,200		62.7	37-100	"	"
<i>Surr: Nitrobenzene-d5</i>	24,000		134 #	42-108	"	"
<i>Surr: 2-Fluorobiphenyl</i>	17,300		97.0	51-103	"	"
<i>Surr: 2,4,6-Tribromophenol</i>	31,500		118 #	55-115	"	"
<i>Surr: Terphenyl-d14</i>	10,200		57.4	55-125	"	"

Targets

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		7,140	10	08/09/12	08/13/12
Acenaphthylene (208-96-8)	U		714	1	"	08/13/12
Acetophenone (98-86-2)	U		1,780	"	"	"
Anthracene (120-12-7)	937	J	714	"	"	"
Atrazine (1912-24-9)	U		1,780	"	"	"
Benzaldehyde (100-52-7)	U		1,780	"	"	"
Benzoic acid (65-85-0)	U		3,570	"	"	"
Benzo (a) anthracene (56-55-3)	U		1,780	"	"	"
Benzo (a) pyrene (50-32-8)	U		1,780	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		1,780	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		1,780	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		1,780	"	"	"
Benzyl alcohol (100-51-6)	U		1,780	"	"	"
1,1'-Biphenyl (92-52-4)	16,300		1,780	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		1,780	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		1,780	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		1,780	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		1,780	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		1,780	"	"	"
Butyl benzyl phthalate (85-68-7)	U		1,780	"	"	"
Carbazole (86-74-8)	U		1,780	"	"	"
Caprolactam (105-60-2)	U		1,780	"	"	"
4-Chloroaniline (106-47-8)	U		1,780	"	"	"



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-01

Station ID: DSE-02-120-413

Batch: B2H0902

Date Collected: 08/06/12

Sample Type: Solid

Sample Wt: 5.269g

Sample Qualifiers:

%Solids: 53.19

Targets (Continued)

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chloronaphthalene (91-58-7)	U		1,780	1	08/09/12	08/13/12
2-Chlorophenol (95-57-8)	U		1,780	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		1,780	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		1,780	"	"	"
Chrysene (218-01-9)	U		1,780	"	"	"
Dibenzofuran (132-64-9)	10,200		1,780	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		1,780	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1,780	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1,780	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1,780	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		1,780	"	"	"
2,4-Dichlorophenol (120-83-2)	U		1,780	"	"	"
Diethyl phthalate (84-66-2)	U		1,780	"	"	"
2,4-Dimethylphenol (105-67-9)	U		1,780	"	"	"
Dimethyl phthalate (131-11-3)	U		1,780	"	"	"
2,4-Dinitrophenol (51-28-5)	U		7,140	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		1,780	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		1,780	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		7,140	"	"	"
Di-n-butyl phthalate (84-74-2)	U		1,780	"	"	"
Di-n-octyl phthalate (117-84-0)	U		1,780	"	"	"
Fluoranthene (206-44-0)	964	J	714	"	"	"
Fluorene (86-73-7)	17,200		714	"	"	"
Hexachlorobenzene (118-74-1)	U		1,780	"	"	"
Hexachlorobutadiene (87-68-3)	U		1,780	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		1,780	"	"	"
Hexachloroethane (67-72-1)	U		1,780	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		1,780	"	"	"
Isophorone (78-59-1)	U		1,780	"	"	"
2-Methylnaphthalene (91-57-6)	165,000	J	7,140	10	"	08/13/12
2-Methylphenol (95-48-7)	U		1,780	1	"	08/13/12
3 &/or 4-Methylphenol (106-44-5)	U		1,780	"	"	"
Naphthalene (91-20-3)	46,800	J	7,140	10	"	08/13/12
2-Nitroaniline (88-74-4)	U		2,850	1	"	08/13/12
3-Nitroaniline (99-09-2)	U		2,850	"	"	"



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-01

Station ID: DSE-02-120-413

Batch: B2H0902

Date Collected: 08/06/12

Sample Type: Solid

Sample Wt: 5.269g

Sample Qualifiers:

%Solids: 53.19

Targets (Continued)

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Nitroaniline (100-01-6)	U		2,850	1	08/09/12	08/13/12
Nitrobenzene (98-95-3)	U		1,780	"	"	"
2-Nitrophenol (88-75-5)	U		1,780	"	"	"
4-Nitrophenol (100-02-7)	U		4,640	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		1,780	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		1,780	"	"	"
Pentachlorophenol (87-86-5)	U		1,780	"	"	"
Phenanthrene (85-01-8)	26,900	J	714	"	"	"
Phenol (108-95-2)	U		1,780	"	"	"
Pyrene (129-00-0)	909		714	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1,780	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		1,780	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		1,780	"	"	"

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Pesticide/PCB by OLM04.2 - GC/ECD

Lab ID: 1208003-01

Station ID: DSE-02-120-413

Batch: B2H0901

Sample Type: Solid

Date Collected: 08/06/12

Sample Wt: 10.074g

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg (dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: Tetrachloro-meta-xylene	26.0		55.7	41-112	08/09/12	08/17/12
Surr: Decachlorobiphenyl	51.4		110	49-122	"	"

Targets

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aldrin (309-00-2)	U		9.33	5	08/09/12	08/17/12
alpha-BHC (319-84-6)	U		9.33	"	"	"
beta-BHC (319-85-7)	U		9.33	"	"	"
delta-BHC (319-86-8)	U		9.33	"	"	"
gamma-BHC (Lindane) (58-89-9)	U		9.33	"	"	"
4,4'-DDD (72-54-8)	U		9.33	"	"	"
4,4'-DDE (72-55-9)	U		9.33	"	"	"
4,4'-DDT (50-29-3)	U		9.33	"	"	"
Dieldrin (60-57-1)	U		9.33	"	"	"
Endosulfan I (959-98-8)	U		9.33	"	"	"
Endosulfan II (33213-65-9)	U		9.33	"	"	"
Endosulfan sulfate (1031-07-8)	U		9.33	"	"	"
Endrin (72-20-8)	U		9.33	"	"	"
Endrin aldehyde (7421-93-4)	U		9.33	"	"	"
Endrin ketone (53494-70-5)	U		9.33	"	"	"
Heptachlor (76-44-8)	U		9.33	"	"	"
Heptachlor epoxide (1024-57-3)	U		9.33	"	"	"
Methoxychlor (72-43-5)	U		9.33	"	"	"
alpha-Chlordane (5103-71-9)	U		9.33	"	"	"
gamma-Chlordane (5103-74-2)	U		9.33	"	"	"
Toxaphene (8001-35-2)	U		280	"	"	"
Aroclor-1016 (12674-11-2)	U		37.3	1	"	08/22/12
Aroclor-1221 (11104-28-2)	U		74.7	"	"	"
Aroclor-1232 (11141-16-5)	U		37.3	"	"	"
Aroclor-1242 (53469-21-9)	U		37.3	"	"	"
Aroclor-1248 (12672-29-6)	U		37.3	"	"	"
Aroclor-1254 (11097-69-1)	50.3	NJ	37.3	"	"	08/23/12
Aroclor-1260 (11096-82-5)	U		37.3	"	"	08/22/12

LW



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208003-01

Batch: B2H2204

Sample Type: Solid

Station ID: DSE-02-120-413

Date Collected: 08/06/12

Sample Wt: 0.514g

%Solids: 53.19

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	7,960		18.3	1	08/22/12	08/31/12
Barium (7440-39-3)	1,620		1.8	"	"	"
Beryllium (7440-41-7)	0.9		0.9	"	"	"
Cadmium (7440-43-9)	1.7		0.9	"	"	"
Calcium (7440-70-2)	9,180		27.4	"	"	"
Chromium (7440-47-3)	27.1		1.8	"	"	"
Cobalt (7440-48-4)	7.8		3.7	"	"	"
Copper (7440-50-8)	31.0		3.7	"	"	"
Iron (7439-89-6)	13,200		4.6	"	"	"
Magnesium (7439-95-4)	4,590		27.4	"	"	"
Manganese (7439-96-5)	379		0.9	"	"	"
Nickel (7440-02-2)	17.5		3.7	"	"	"
Potassium (7440-09-7)	1,510		183	"	"	"
Silver (7440-22-4)	U		1.8	"	"	"
Sodium (7440-23-5)	2,550		91.4	"	"	"
Vanadium (7440-62-2)	24.9		3.7	"	"	"
Zinc (7440-66-6)	351		3.7	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208003-01

Batch: B2H2205

Sample Type: Solid

Station ID: DSE-02-120-413

Date Collected: 08/06/12

Sample Wt: 0.514g

%Solids: 53.19

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		1.8	20	"	09/04/12
Arsenic (7440-38-2)	43.1		1.8	"	"	"
Lead (7439-92-1)	222		1.8	"	"	"
Selenium (7782-49-2)	U		1.8	"	"	"
Thallium (7440-28-0)	U		1.8	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208003-01

Station ID: DSE-02-120-413

Batch: B2H2206

Sample Type: Solid

Date Collected: 08/06/12

Sample Wt: 0.124g

%Solids: 53.19

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	0.655		0.121	1	08/22/12	08/23/12 sm



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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-02

Batch: B2H0905

Sample Type: Solid

Station ID: DSE-02-144-413

Date Collected: 08/06/12

Sample Wt: 5.001g

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	46.6		93.1	82-120	08/09/12	08/09/12
Surr: Toluene-d8	46.6		93.3	81-116	"	"
Surr: 4-Bromofluorobenzene	49.7		99.4	80-116	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U	RL	750	50	08/09/12	08/09/12
Chloromethane (74-87-3)	U		250	"	"	"
Vinyl chloride (75-01-4)	U		100	"	"	"
Bromomethane (74-83-9)	U		250	"	"	"
Chloroethane (75-00-3)	U		100	"	"	"
Trichlorofluoromethane (75-69-4)	U		100	"	"	"
1,1-Dichloroethene (75-35-4)	U		100	"	"	"
Carbon disulfide (75-15-0)	U		100	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		100	"	"	"
Acetone (67-64-1)	U		500	"	"	"
Methylene chloride (75-09-2)	U		100	"	"	"
Methyl acetate (79-20-9)	U		250	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		100	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		100	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		100	"	"	"
1,1-Dichloroethane (75-34-3)	U		100	"	"	"
2-Butanone (78-93-3)	U		250	"	"	"
Chloroform (67-66-3)	U		100	"	"	"
1,2-Dichloroethane (107-06-2)	U		100	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		100	"	"	"
Cyclohexane (110-82-7)	U		100	"	"	"
Carbon tetrachloride (56-23-5)	U		100	"	"	"
Benzene (71-43-2)	U		100	"	"	"
Trichloroethene (79-01-6)	U		100	"	"	"
Methylcyclohexane (108-87-2)	U		100	"	"	"
1,2-Dichloropropane (78-87-5)	U		100	"	"	"
Bromodichloromethane (75-27-4)	U		100	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		100	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-02

Batch: B2H0905

Sample Type: Solid

Station ID: DSE-02-144-413

Date Collected: 08/06/12

Sample Wt: 5.001g

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		100	50	08/09/12	08/09/12
1,1,2-Trichloroethane (79-00-5)	U		100	"	"	"
Dibromochloromethane (124-48-1)	U		100	"	"	"
Bromoform (75-25-2)	U		100	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		250	"	"	"
Toluene (108-88-3)	U		100	"	"	"
Tetrachloroethene (127-18-4)	U		100	"	"	"
2-Hexanone (591-78-6)	U		250	"	"	"
1,2-Dibromoethane (106-93-4)	U		100	"	"	"
Chlorobenzene (108-90-7)	U		100	"	"	"
Ethylbenzene (100-41-4)	U		100	"	"	"
meta-/para-Xylene (na)	U		200	"	"	"
ortho-Xylene (95-47-6)	U		100	"	"	"
Styrene (100-42-5)	U		100	"	"	"
Isopropylbenzene (98-82-8)	U		100	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		100	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		100	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		100	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		100	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		250	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		250	"	"	"

kws



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-02

Batch: B2H0902

Sample Type: Solid

Date Collected: 08/06/12

Sample Wt: 10.2g

%Solids: 57.03

Station ID: DSE-02-144-413

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg (dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: 2-Fluorophenol</i>	8,910		69.1	38-101	08/09/12	08/13/12
<i>Surr: Phenol-d5</i>	9,670		75.0	42-105	"	"
<i>Surr: 2-Chlorophenol-d4</i>	8,840		68.5	40-100	"	"
<i>Surr: 1,2-Dichlorobenzene-d4</i>	5,690		66.2	37-100	"	"
<i>Surr: Nitrobenzene-d5</i>	6,390		74.3	42-108	"	"
<i>Surr: 2-Fluorobiphenyl</i>	7,130		82.9	51-103	"	"
<i>Surr: 2,4,6-Tribromophenol</i>	12,100		93.8	55-115	"	"
<i>Surr: Terphenyl-d14</i>	6,060		70.5	55-125	"	"

Targets

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		344	1	08/09/12	08/13/12
Acenaphthylene (208-96-8)	U		344	"	"	"
Acetophenone (98-86-2)	U		860	"	"	"
Anthracene (120-12-7)	U		344	"	"	"
Atrazine (1912-24-9)	U		860	"	"	"
Benzaldehyde (100-52-7)	U		860	"	"	"
Benzoic acid (65-85-0)	U		1,720	"	"	"
Benzo (a) anthracene (56-55-3)	U		860	"	"	"
Benzo (a) pyrene (50-32-8)	U		860	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		860	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		860	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		860	"	"	"
Benzyl alcohol (100-51-6)	U		860	"	"	"
1,1'-Biphenyl (92-52-4)	U		860	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		860	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		860	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		860	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		860	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		860	"	"	"
Butyl benzyl phthalate (85-68-7)	U		860	"	"	"
Carbazole (86-74-8)	U		860	"	"	"
Caprolactam (105-60-2)	U		860	"	"	"
4-Chloroaniline (106-47-8)	U		860	"	"	"



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-02

Station ID: DSE-02-144-413

Batch: B2H0902

Date Collected: 08/06/12

Sample Type: Solid

Sample Wt: 10.2g

Sample Qualifiers:

%Solids: 57.03

Targets (Continued)

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chloronaphthalene (91-58-7)	U		860	1	08/09/12	08/13/12
2-Chlorophenol (95-57-8)	U		860	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		860	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		860	"	"	"
Chrysene (218-01-9)	U		860	"	"	"
Dibenzofuran (132-64-9)	U		860	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		860	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		860	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		860	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		860	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		860	"	"	"
2,4-Dichlorophenol (120-83-2)	U		860	"	"	"
Diethyl phthalate (84-66-2)	U		860	"	"	"
2,4-Dimethylphenol (105-67-9)	U		860	"	"	"
Dimethyl phthalate (131-11-3)	U		860	"	"	"
2,4-Dinitrophenol (51-28-5)	U		3,440	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		860	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		860	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		3,440	"	"	"
Di-n-butyl phthalate (84-74-2)	U		860	"	"	"
Di-n-octyl phthalate (117-84-0)	U		860	"	"	"
Fluoranthene (206-44-0)	U		344	"	"	"
Fluorene (86-73-7)	U		344	"	"	"
Hexachlorobenzene (118-74-1)	U		860	"	"	"
Hexachlorobutadiene (87-68-3)	U		860	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		860	"	"	"
Hexachloroethane (67-72-1)	U		860	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		860	"	"	"
Isophorone (78-59-1)	U		860	"	"	"
2-Methylnaphthalene (91-57-6)	1,390		344	"	"	"
2-Methylphenol (95-48-7)	U		860	"	"	"
3 &/ or 4-Methylphenol (106-44-5)	U		860	"	"	"
Naphthalene (91-20-3)	U		344	"	"	"
2-Nitroaniline (88-74-4)	U		1,380	"	"	"



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-02

Station ID: DSE-02-144-413

Batch: B2H0902

Date Collected: 08/06/12

Sample Type: Solid

Sample Wt: 10.2g

Sample Qualifiers:

%Solids: 57.03

Targets (Continued)

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
3-Nitroaniline (99-09-2)	U		1,380	1	08/09/12	08/13/12
4-Nitroaniline (100-01-6)	U		1,380	"	"	"
Nitrobenzene (98-95-3)	U		860	"	"	"
2-Nitrophenol (88-75-5)	U		860	"	"	"
4-Nitrophenol (100-02-7)	U		2,230	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		860	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		860	"	"	"
Pentachlorophenol (87-86-5)	U		860	"	"	"
Phenanthrene (85-01-8)	642		344	"	"	"
Phenol (108-95-2)	U		860	"	"	"
Pyrene (129-00-0)	U		344	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		860	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		860	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		860	"	"	"

BJS



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Pesticide/PCB by OLM04.2 - GC/ECD

Lab ID: 1208003-02

Station ID: DSE-02-144-413

Batch: B2H0901

Sample Type: Solid

Date Collected: 08/06/12

Sample Wt: 10.043g

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg (dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: Tetrachloro-meta-xylene	13.3		30.6 #	41-112	08/09/12	08/16/12
Surr: Decachlorobiphenyl	32.8		75.2	49-122	"	"

Targets

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aldrin (309-00-2)	U		1.75	1	08/09/12	08/16/12
alpha-BHC (319-84-6)	U		1.75	"	"	"
beta-BHC (319-85-7)	U		1.75	"	"	"
delta-BHC (319-86-8)	U		1.75	"	"	"
gamma-BHC (Lindane) (58-89-9)	U		1.75	"	"	"
4,4'-DDD (72-54-8)	U		1.75	"	"	"
4,4'-DDE (72-55-9)	U		1.75	"	"	"
4,4'-DDT (50-29-3)	U		1.75	"	"	"
Dieldrin (60-57-1)	U		1.75	"	"	"
Endosulfan I (959-98-8)	U		1.75	"	"	"
Endosulfan II (33213-65-9)	U		1.75	"	"	"
Endosulfan sulfate (1031-07-8)	U		1.75	"	"	"
Endrin (72-20-8)	U		1.75	"	"	"
Endrin aldehyde (7421-93-4)	U		1.75	"	"	"
Endrin ketone (53494-70-5)	U		1.75	"	"	"
Heptachlor (76-44-8)	U		1.75	"	"	"
Heptachlor epoxide (1024-57-3)	U		1.75	"	"	"
Methoxychlor (72-43-5)	U		1.75	"	"	"
alpha-Chlordane (5103-71-9)	U		1.75	"	"	"
gamma-Chlordane (5103-74-2)	U		1.75	"	"	"
Toxaphene (8001-35-2)	U		52.4	"	"	"
Aroclor-1016 (12674-11-2)	U		34.9	"	"	08/22/12
Aroclor-1221 (11104-28-2)	U		69.8	"	"	"
Aroclor-1232 (11141-16-5)	U		34.9	"	"	"
Aroclor-1242 (53469-21-9)	U		34.9	"	"	"
Aroclor-1248 (12672-29-6)	U		34.9	"	"	"
Aroclor-1254 (11097-69-1)	U		34.9	"	"	08/23/12
Aroclor-1260 (11096-82-5)	U		34.9	"	"	08/22/12

LW



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208003-02

Batch: B2H2204

Sample Type: Solid

Station ID: DSE-02-144-413

Date Collected: 08/06/12

Sample Wt: 0.539g

%Solids: 57.03

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	11,500		16.3	1	08/22/12	08/31/12
Barium (7440-39-3)	1,470		1.6	"	"	"
Beryllium (7440-41-7)	1.3		0.8	"	"	"
Cadmium (7440-43-9)	U		0.8	"	"	"
Calcium (7440-70-2)	6,220		24.4	"	"	"
Chromium (7440-47-3)	12.7		1.6	"	"	"
Cobalt (7440-48-4)	11.7		3.3	"	"	"
Copper (7440-50-8)	31.7		3.3	"	"	"
Iron (7439-89-6)	18,100		4.1	"	"	"
Magnesium (7439-95-4)	5,600		24.4	"	"	"
Manganese (7439-96-5)	210		0.8	"	"	"
Nickel (7440-02-2)	24.6		3.3	"	"	"
Potassium (7440-09-7)	1,600		163	"	"	"
Silver (7440-22-4)	U		1.6	"	"	"
Sodium (7440-23-5)	1,980		81.3	"	"	"
Vanadium (7440-62-2)	34.7		3.3	"	"	"
Zinc (7440-66-6)	91.7		3.3	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208003-02

Batch: B2H2205

Sample Type: Solid

Station ID: DSE-02-144-413

Date Collected: 08/06/12

Sample Wt: 0.539g

%Solids: 57.03

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		1.6	20	"	09/04/12
Arsenic (7440-38-2)	6.9		1.6	"	"	"
Lead (7439-92-1)	30.4		1.6	"	"	"
Selenium (7782-49-2)	U		1.6	"	"	"
Thallium (7440-28-0)	U		1.6	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208003-02

Batch: B2H2206

Sample Type: Solid

Station ID: DSE-02-144-413

Date Collected: 08/06/12

Sample Wt: 0.134g

%Solids: 57.03

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.105	1	08/22/12	08/23/12 sm



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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-03

Batch: B2H0905

Sample Type: Solid

Station ID: DSE-02-24-413

Date Collected: 08/06/12

Sample Wt: 5.007g

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	51.9		104	82-120	08/09/12	08/09/12
Surr: Toluene-d8	49.1		98.1	81-116	"	"
Surr: 4-Bromofluorobenzene	49.6		99.3	80-116	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U	RL	749	50	08/09/12	08/09/12
Chloromethane (74-87-3)	U		250	"	"	"
Vinyl chloride (75-01-4)	U		99.9	"	"	"
Bromomethane (74-83-9)	U		250	"	"	"
Chloroethane (75-00-3)	U		99.9	"	"	"
Trichlorofluoromethane (75-69-4)	U		99.9	"	"	"
1,1-Dichloroethene (75-35-4)	U		99.9	"	"	"
Carbon disulfide (75-15-0)	U		99.9	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		99.9	"	"	"
Acetone (67-64-1)	2,680		499	"	"	"
Methylene chloride (75-09-2)	U		99.9	"	"	"
Methyl acetate (79-20-9)	U		250	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		99.9	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		99.9	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		99.9	"	"	"
1,1-Dichloroethane (75-34-3)	U		99.9	"	"	"
2-Butanone (78-93-3)	U		250	"	"	"
Chloroform (67-66-3)	U		99.9	"	"	"
1,2-Dichloroethane (107-06-2)	U		99.9	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		99.9	"	"	"
Cyclohexane (110-82-7)	1,580	J	99.9	"	"	"
Carbon tetrachloride (56-23-5)	U		99.9	"	"	"
Benzene (71-43-2)	754	J	99.9	"	"	"
Trichloroethene (79-01-6)	U		99.9	"	"	"
Methylcyclohexane (108-87-2)	9,860	J	99.9	"	"	"
1,2-Dichloropropane (78-87-5)	U		99.9	"	"	"
Bromodichloromethane (75-27-4)	U		99.9	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		99.9	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-03

Batch: B2H0905

Sample Type: Solid

Station ID: DSE-02-24-413

Date Collected: 08/06/12

Sample Wt: 5.007g

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		99.9	50	08/09/12	08/09/12
1,1,2-Trichloroethane (79-00-5)	U		99.9	"	"	"
Dibromochloromethane (124-48-1)	U		99.9	"	"	"
Bromoform (75-25-2)	U		99.9	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		250	"	"	"
Toluene (108-88-3)	6,930	J	99.9	"	"	"
Tetrachloroethene (127-18-4)	U		99.9	"	"	"
2-Hexanone (591-78-6)	U		250	"	"	"
1,2-Dibromoethane (106-93-4)	U		99.9	"	"	"
Chlorobenzene (108-90-7)	U		99.9	"	"	"
Ethylbenzene (100-41-4)	6,410	J	99.9	"	"	"
meta-/para-Xylene (na)	16,000	J	399	100	"	08/10/12
ortho-Xylene (95-47-6)	8,220	J	200	"	"	"
Styrene (100-42-5)	U		99.9	50	"	08/09/12
Isopropylbenzene (98-82-8)	2,220	J	99.9	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		99.9	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		99.9	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		99.9	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		99.9	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		250	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		250	"	"	"

kws



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-03

Station ID: DSE-02-24-413

Batch: B2H0902

Sample Type: Solid

Date Collected: 08/06/12

Sample Wt: 2.194g

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg (dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: 2-Fluorophenol</i>	26,200		57.0	38-101	08/09/12	08/13/12
<i>Surr: Phenol-d5</i>	30,900		67.2	42-105	"	"
<i>Surr: 2-Chlorophenol-d4</i>	24,600		53.5	40-100	"	"
<i>Surr: 1,2-Dichlorobenzene-d4</i>	15,700		51.4	37-100	"	"
<i>Surr: Nitrobenzene-d5</i>	29,100		95.0	42-108	"	"
<i>Surr: 2-Fluorobiphenyl</i>	26,000		84.9	51-103	"	"
<i>Surr: 2,4,6-Tribromophenol</i>	45,900		100	55-115	"	"
<i>Surr: Terphenyl-d14</i>	14,900		48.7 #	55-125	"	"

Targets

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	12,600		12,200	10	08/09/12	08/15/12
Acenaphthylene (208-96-8)	U		1,220	1	"	08/13/12
Acetophenone (98-86-2)	U		3,060	"	"	"
Anthracene (120-12-7)	4,700	J	1,220	"	"	"
Atrazine (1912-24-9)	U		3,060	"	"	"
Benzaldehyde (100-52-7)	U		3,060	"	"	"
Benzoic acid (65-85-0)	U		6,120	"	"	"
Benzo (a) anthracene (56-55-3)	U		3,060	"	"	"
Benzo (a) pyrene (50-32-8)	U		3,060	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		3,060	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		3,060	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		3,060	"	"	"
Benzyl alcohol (100-51-6)	U		3,060	"	"	"
1,1'-Biphenyl (92-52-4)	43,900		30,600	10	"	08/15/12
Bis(2-chloroethoxy)methane (111-91-1)	U		3,060	1	"	08/13/12
Bis(2-chloroethyl)ether (111-44-4)	U		3,060	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		3,060	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		3,060	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		3,060	"	"	"
Butyl benzyl phthalate (85-68-7)	U		3,060	"	"	"
Carbazole (86-74-8)	U		3,060	"	"	"
Caprolactam (105-60-2)	U		3,060	"	"	"
4-Chloroaniline (106-47-8)	U		3,060	"	"	"



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-03

Station ID: DSE-02-24-413

Batch: B2H0902

Date Collected: 08/06/12

Sample Type: Solid

Sample Wt: 2.194g

Sample Qualifiers:

%Solids: 74.43

Targets (Continued)

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chloronaphthalene (91-58-7)	U		3,060	1	08/09/12	08/13/12
2-Chlorophenol (95-57-8)	U		3,060	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		3,060	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		3,060	"	"	"
Chrysene (218-01-9)	U		3,060	"	"	"
Dibenzofuran (132-64-9)	16,300		12,200	10	"	08/15/12
Dibenz (a,h) anthracene (53-70-3)	U		3,060	1	"	08/13/12
1,2-Dichlorobenzene (95-50-1)	U		3,060	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		3,060	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		3,060	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		3,060	"	"	"
2,4-Dichlorophenol (120-83-2)	U		3,060	"	"	"
Diethyl phthalate (84-66-2)	U		3,060	"	"	"
2,4-Dimethylphenol (105-67-9)	U		3,060	"	"	"
Dimethyl phthalate (131-11-3)	U		3,060	"	"	"
2,4-Dinitrophenol (51-28-5)	U		12,200	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		3,060	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		3,060	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		12,200	"	"	"
Di-n-butyl phthalate (84-74-2)	U		3,060	"	"	"
Di-n-octyl phthalate (117-84-0)	U		3,060	"	"	"
Fluoranthene (206-44-0)	2,090	J	1,220	"	"	"
Fluorene (86-73-7)	28,100		12,200	10	"	08/15/12
Hexachlorobenzene (118-74-1)	U		3,060	1	"	08/13/12
Hexachlorobutadiene (87-68-3)	U		3,060	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		3,060	"	"	"
Hexachloroethane (67-72-1)	U		3,060	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		3,060	"	"	"
Isophorone (78-59-1)	U		3,060	"	"	"
2-Methylnaphthalene (91-57-6)	480,000		12,200	10	"	08/15/12
2-Methylphenol (95-48-7)	U		3,060	1	"	08/13/12
3 &/or 4-Methylphenol (106-44-5)	U		3,060	"	"	"
Naphthalene (91-20-3)	142,000		12,200	10	"	08/15/12
2-Nitroaniline (88-74-4)	U		4,900	1	"	08/13/12
3-Nitroaniline (99-09-2)	U		4,900	"	"	"



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-03

Station ID: DSE-02-24-413

Batch: B2H0902

Date Collected: 08/06/12

Sample Type: Solid

Sample Wt: 2.194g

Sample Qualifiers:

%Solids: 74.43

Targets (Continued)

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Nitroaniline (100-01-6)	U		4,900	1	08/09/12	08/13/12
Nitrobenzene (98-95-3)	U		3,060	"	"	"
2-Nitrophenol (88-75-5)	U		3,060	"	"	"
4-Nitrophenol (100-02-7)	U		7,960	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		3,060	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		3,060	"	"	"
Pentachlorophenol (87-86-5)	U		3,060	"	"	"
Phenanthrene (85-01-8)	72,600		12,200	10	"	08/15/12
Phenol (108-95-2)	U		3,060	1	"	08/13/12
Pyrene (129-00-0)	1,510	J	1,220	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		3,060	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		3,060	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		3,060	"	"	"

BJS



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Pesticide/PCB by OLM04.2 - GC/ECD

Lab ID: 1208003-03

Station ID: DSE-02-24-413

Batch: B2H0901

Sample Type: Solid

Date Collected: 08/06/12

Sample Wt: 10.173g

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg (dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: Tetrachloro-meta-xylene	13.4		40.5 #	41-112	08/09/12	08/17/12
Surr: Decachlorobiphenyl	35.7		108	49-122	"	"

Targets

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aldrin (309-00-2)	U		13.2	10	08/09/12	08/17/12
alpha-BHC (319-84-6)	U		13.2	"	"	"
beta-BHC (319-85-7)	U		13.2	"	"	"
delta-BHC (319-86-8)	U		13.2	"	"	"
gamma-BHC (Lindane) (58-89-9)	U		13.2	"	"	"
4,4'-DDD (72-54-8)	U		13.2	"	"	"
4,4'-DDE (72-55-9)	U		13.2	"	"	"
4,4'-DDT (50-29-3)	U		13.2	"	"	"
Dieldrin (60-57-1)	U		13.2	"	"	"
Endosulfan I (959-98-8)	U		13.2	"	"	"
Endosulfan II (33213-65-9)	U		13.2	"	"	"
Endosulfan sulfate (1031-07-8)	U		13.2	"	"	"
Endrin (72-20-8)	U		13.2	"	"	"
Endrin aldehyde (7421-93-4)	U	RL	13.2	"	"	"
Endrin ketone (53494-70-5)	U		13.2	"	"	"
Heptachlor (76-44-8)	U		13.2	"	"	"
Heptachlor epoxide (1024-57-3)	U		13.2	"	"	"
Methoxychlor (72-43-5)	U	RL	33.0	"	"	"
alpha-Chlordane (5103-71-9)	U		13.2	"	"	"
gamma-Chlordane (5103-74-2)	U		13.2	"	"	"
Toxaphene (8001-35-2)	U		396	"	"	"
Aroclor-1016 (12674-11-2)	U		26.4	1	"	08/22/12
Aroclor-1221 (11104-28-2)	U		52.8	"	"	"
Aroclor-1232 (11141-16-5)	U		26.4	"	"	"
Aroclor-1242 (53469-21-9)	U		26.4	"	"	"
Aroclor-1248 (12672-29-6)	U		26.4	"	"	"
Aroclor-1254 (11097-69-1)	U	RL	33.0	"	"	08/23/12
Aroclor-1260 (11096-82-5)	U		26.4	"	"	08/22/12

LW



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208003-03

Batch: B2H2204

Sample Type: Solid

Station ID: DSE-02-24-413

Date Collected: 08/06/12

Sample Wt: 0.536g

%Solids: 74.43

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	2,120		12.5	1	08/22/12	08/31/12
Barium (7440-39-3)	570		1.3	"	"	"
Beryllium (7440-41-7)	U		0.6	"	"	"
Cadmium (7440-43-9)	6.9		0.6	"	"	"
Calcium (7440-70-2)	14,000		18.8	"	"	"
Chromium (7440-47-3)	179		1.3	"	"	"
Cobalt (7440-48-4)	4.0		2.5	"	"	"
Copper (7440-50-8)	64.6		2.5	"	"	"
Iron (7439-89-6)	11,700		3.1	"	"	"
Magnesium (7439-95-4)	1,470		18.8	"	"	"
Manganese (7439-96-5)	502		0.6	"	"	"
Nickel (7440-02-2)	9.7		2.5	"	"	"
Potassium (7440-09-7)	502		125	"	"	"
Silver (7440-22-4)	3.0	K	1.3	"	"	"
Sodium (7440-23-5)	1,110		62.7	"	"	"
Vanadium (7440-62-2)	10.4		2.5	"	"	"
Zinc (7440-66-6)	1,340		2.5	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208003-03

Batch: B2H2205

Sample Type: Solid

Station ID: DSE-02-24-413

Date Collected: 08/06/12

Sample Wt: 0.536g

%Solids: 74.43

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	6.3		1.3	20	"	09/04/12
Arsenic (7440-38-2)	26.7		1.3	"	"	"
Lead (7439-92-1)	669		1.3	"	"	"
Selenium (7782-49-2)	U		1.3	"	"	"
Thallium (7440-28-0)	U		1.3	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208003-03

Station ID: DSE-02-24-413

Batch: B2H2206

Date Collected: 08/06/12

Sample Type: Solid

Sample Wt: 0.126g

Sample Qualifiers:

%Solids: 74.43

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	2.24		0.171	2	08/22/12	08/23/12 sm



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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-04

Batch: B2H0905

Sample Type: Solid

Station ID: DSE-02-48-413

Date Collected: 08/06/12

Sample Wt: 5.007g

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	53.6		107	82-120	08/09/12	08/09/12
Surr: Toluene-d8	49.9		99.7	81-116	"	"
Surr: 4-Bromofluorobenzene	49.0		97.9	80-116	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U	RL	749	50	08/09/12	08/09/12
Chloromethane (74-87-3)	U		250	"	"	"
Vinyl chloride (75-01-4)	U		99.9	"	"	"
Bromomethane (74-83-9)	U		250	"	"	"
Chloroethane (75-00-3)	U		99.9	"	"	"
Trichlorofluoromethane (75-69-4)	U		99.9	"	"	"
1,1-Dichloroethene (75-35-4)	U		99.9	"	"	"
Carbon disulfide (75-15-0)	U		99.9	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		99.9	"	"	"
Acetone (67-64-1)	2,020		499	"	"	"
Methylene chloride (75-09-2)	U		99.9	"	"	"
Methyl acetate (79-20-9)	U		250	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		99.9	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		99.9	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		99.9	"	"	"
1,1-Dichloroethane (75-34-3)	U		99.9	"	"	"
2-Butanone (78-93-3)	U		250	"	"	"
Chloroform (67-66-3)	U		99.9	"	"	"
1,2-Dichloroethane (107-06-2)	U		99.9	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		99.9	"	"	"
Cyclohexane (110-82-7)	1,380	J	99.9	"	"	"
Carbon tetrachloride (56-23-5)	U		99.9	"	"	"
Benzene (71-43-2)	762		99.9	"	"	"
Trichloroethene (79-01-6)	U		99.9	"	"	"
Methylcyclohexane (108-87-2)	8,040	J	99.9	"	"	"
1,2-Dichloropropane (78-87-5)	U		99.9	"	"	"
Bromodichloromethane (75-27-4)	U		99.9	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		99.9	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-04

Station ID: DSE-02-48-413

Batch: B2H0905

Date Collected: 08/06/12

Sample Type: Solid

Sample Wt: 5.007g

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		99.9	50	08/09/12	08/09/12
1,1,2-Trichloroethane (79-00-5)	U		99.9	"	"	"
Dibromochloromethane (124-48-1)	U		99.9	"	"	"
Bromoform (75-25-2)	U		99.9	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		250	"	"	"
Toluene (108-88-3)	5,090		99.9	"	"	"
Tetrachloroethene (127-18-4)	U		99.9	"	"	"
2-Hexanone (591-78-6)	U		250	"	"	"
1,2-Dibromoethane (106-93-4)	U		99.9	"	"	"
Chlorobenzene (108-90-7)	U		99.9	"	"	"
Ethylbenzene (100-41-4)	4,620		99.9	"	"	"
meta-/para-Xylene (na)	23,300		399	100	"	08/10/12
ortho-Xylene (95-47-6)	11,300		200	"	"	"
Styrene (100-42-5)	U		99.9	50	"	08/09/12
Isopropylbenzene (98-82-8)	1,820		99.9	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		99.9	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		99.9	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		99.9	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		99.9	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		250	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		250	"	"	"

kws



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-04

Station ID: DSE-02-48-413

Batch: B2H0902

Sample Type: Solid

Date Collected: 08/06/12

Sample Wt: 2.257g

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg (dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: 2-Fluorophenol</i>	38,700		77.5	38-101	08/09/12	08/13/12
<i>Surr: Phenol-d5</i>	39,800		79.7	42-105	"	"
<i>Surr: 2-Chlorophenol-d4</i>	31,600		63.3	40-100	"	"
<i>Surr: 1,2-Dichlorobenzene-d4</i>	22,200		66.6	37-100	"	"
<i>Surr: Nitrobenzene-d5</i>	37,700		113 #	42-108	"	"
<i>Surr: 2-Fluorobiphenyl</i>	31,700		95.1	51-103	"	"
<i>Surr: 2,4,6-Tribromophenol</i>	54,200		109	55-115	"	"
<i>Surr: Terphenyl-d14</i>	19,400		58.4	55-125	"	"

Targets

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		26,600	20	08/09/12	08/15/12
Acenaphthylene (208-96-8)	U		1,330	1	"	08/13/12
Acetophenone (98-86-2)	U		3,330	"	"	"
Anthracene (120-12-7)	6,930		1,330	"	"	"
Atrazine (1912-24-9)	U		3,330	"	"	"
Benzaldehyde (100-52-7)	U		3,330	"	"	"
Benzoic acid (65-85-0)	U		6,660	"	"	"
Benzo (a) anthracene (56-55-3)	U		3,330	"	"	"
Benzo (a) pyrene (50-32-8)	U		3,330	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		3,330	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		3,330	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		3,330	"	"	"
Benzyl alcohol (100-51-6)	U		3,330	"	"	"
1,1'-Biphenyl (92-52-4)	43,700		3,330	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		3,330	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		3,330	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		3,330	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		3,330	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		3,330	"	"	"
Butyl benzyl phthalate (85-68-7)	U		3,330	"	"	"
Carbazole (86-74-8)	U		3,330	"	"	"
Caprolactam (105-60-2)	U		3,330	"	"	"
4-Chloroaniline (106-47-8)	U		3,330	"	"	"



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-04

Station ID: DSE-02-48-413

Batch: B2H0902

Sample Type: Solid

Date Collected: 08/06/12

Sample Wt: 2.257g

Sample Qualifiers:

%Solids: 66.51

Targets (Continued)

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chloronaphthalene (91-58-7)	U		3,330	1	08/09/12	08/13/12
2-Chlorophenol (95-57-8)	U		3,330	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		3,330	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		3,330	"	"	"
Chrysene (218-01-9)	U		3,330	"	"	"
Dibenzofuran (132-64-9)	26,000		3,330	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		3,330	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		3,330	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		3,330	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		3,330	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		3,330	"	"	"
2,4-Dichlorophenol (120-83-2)	U		3,330	"	"	"
Diethyl phthalate (84-66-2)	U		3,330	"	"	"
2,4-Dimethylphenol (105-67-9)	U		3,330	"	"	"
Dimethyl phthalate (131-11-3)	U		3,330	"	"	"
2,4-Dinitrophenol (51-28-5)	U		13,300	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		3,330	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		3,330	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		13,300	"	"	"
Di-n-butyl phthalate (84-74-2)	U		3,330	"	"	"
Di-n-octyl phthalate (117-84-0)	U		3,330	"	"	"
Fluoranthene (206-44-0)	3,440		1,330	"	"	"
Fluorene (86-73-7)	44,100		1,330	"	"	"
Hexachlorobenzene (118-74-1)	U		3,330	"	"	"
Hexachlorobutadiene (87-68-3)	U		3,330	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		3,330	"	"	"
Hexachloroethane (67-72-1)	U		3,330	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		3,330	"	"	"
Isophorone (78-59-1)	U		3,330	"	"	"
2-Methylnaphthalene (91-57-6)	612,000		26,600	20	"	08/15/12
2-Methylphenol (95-48-7)	U		3,330	1	"	08/13/12
3 &/or 4-Methylphenol (106-44-5)	U		3,330	"	"	"
Naphthalene (91-20-3)	188,000		26,600	20	"	08/15/12
2-Nitroaniline (88-74-4)	U		5,330	1	"	08/13/12
3-Nitroaniline (99-09-2)	U		5,330	"	"	"



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-04

Station ID: DSE-02-48-413

Batch: B2H0902

Date Collected: 08/06/12

Sample Type: Solid

Sample Wt: 2.257g

Sample Qualifiers:

%Solids: 66.51

Targets (Continued)

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Nitroaniline (100-01-6)	U		5,330	1	08/09/12	08/13/12
Nitrobenzene (98-95-3)	U		3,330	"	"	"
2-Nitrophenol (88-75-5)	U		3,330	"	"	"
4-Nitrophenol (100-02-7)	U		8,660	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		3,330	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		3,330	"	"	"
Pentachlorophenol (87-86-5)	U		3,330	"	"	"
Phenanthrene (85-01-8)	103,000		26,600	20	"	08/15/12
Phenol (108-95-2)	U		3,330	1	"	08/13/12
Pyrene (129-00-0)	2,090		1,330	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		3,330	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		3,330	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		3,330	"	"	"

BJS



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Pesticide/PCB by OLM04.2 - GC/ECD

Lab ID: 1208003-04

Station ID: DSE-02-48-413

Batch: B2H0901

Sample Type: Solid

Date Collected: 08/06/12

Sample Wt: 10.2g

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg (dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: Tetrachloro-meta-xylene	16.9		45.9	41-112	08/09/12	08/17/12
Surr: Decachlorobiphenyl	38.8		105	49-122	"	"

Targets

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aldrin (309-00-2)	U		14.7	10	08/09/12	08/17/12
alpha-BHC (319-84-6)	U		14.7	"	"	"
beta-BHC (319-85-7)	U		14.7	"	"	"
delta-BHC (319-86-8)	U		14.7	"	"	"
gamma-BHC (Lindane) (58-89-9)	U		14.7	"	"	"
4,4'-DDD (72-54-8)	U		14.7	"	"	"
4,4'-DDE (72-55-9)	U		14.7	"	"	"
4,4'-DDT (50-29-3)	U		14.7	"	"	"
Dieldrin (60-57-1)	U		14.7	"	"	"
Endosulfan I (959-98-8)	U		14.7	"	"	"
Endosulfan II (33213-65-9)	U		14.7	"	"	"
Endosulfan sulfate (1031-07-8)	U		14.7	"	"	"
Endrin (72-20-8)	U		14.7	"	"	"
Endrin aldehyde (7421-93-4)	U		14.7	"	"	"
Endrin ketone (53494-70-5)	U		14.7	"	"	"
Heptachlor (76-44-8)	U		14.7	"	"	"
Heptachlor epoxide (1024-57-3)	U		14.7	"	"	"
Methoxychlor (72-43-5)	U	RL	36.9	"	"	"
alpha-Chlordane (5103-71-9)	U		14.7	"	"	"
gamma-Chlordane (5103-74-2)	U		14.7	"	"	"
Toxaphene (8001-35-2)	U		442	"	"	"
Aroclor-1016 (12674-11-2)	U	RL	73.7	1	"	08/22/12
Aroclor-1221 (11104-28-2)	U	RL	147	"	"	"
Aroclor-1232 (11141-16-5)	U	RL	73.7	"	"	"
Aroclor-1242 (53469-21-9)	U	RL	73.7	"	"	"
Aroclor-1248 (12672-29-6)	U	RL	73.7	"	"	"
Aroclor-1254 (11097-69-1)	101	J	29.5	"	"	08/23/12
Aroclor-1260 (11096-82-5)	U	RL	36.9	"	"	08/22/12

LW



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208003-04

Batch: B2H2204

Sample Type: Solid

Station ID: DSE-02-48-413

Date Collected: 08/06/12

Sample Wt: 0.528g

%Solids: 66.51

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	3,770		14.2	1	08/22/12	08/31/12
Barium (7440-39-3)	528		1.4	"	"	"
Beryllium (7440-41-7)	U		0.7	"	"	"
Cadmium (7440-43-9)	10.2		0.7	"	"	"
Calcium (7440-70-2)	16,300		21.4	"	"	"
Chromium (7440-47-3)	191		1.4	"	"	"
Cobalt (7440-48-4)	6.5		2.8	"	"	"
Copper (7440-50-8)	90.8		2.8	"	"	"
Iron (7439-89-6)	17,700		3.6	"	"	"
Magnesium (7439-95-4)	2,360		21.4	"	"	"
Manganese (7439-96-5)	726		0.7	"	"	"
Nickel (7440-02-2)	13.8		2.8	"	"	"
Potassium (7440-09-7)	836		142	"	"	"
Silver (7440-22-4)	5.3	K	1.4	"	"	"
Sodium (7440-23-5)	2,320		71.2	"	"	"
Vanadium (7440-62-2)	14.7		2.8	"	"	"
Zinc (7440-66-6)	2,000		2.8	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208003-04

Batch: B2H2205

Sample Type: Solid

Station ID: DSE-02-48-413

Date Collected: 08/06/12

Sample Wt: 0.528g

%Solids: 66.51

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	8.7		1.4	20	"	09/04/12
Arsenic (7440-38-2)	41.9		1.4	"	"	"
Lead (7439-92-1)	1,170		1.4	"	"	"
Selenium (7782-49-2)	U		1.4	"	"	"
Thallium (7440-28-0)	U		1.4	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208003-04

Station ID: DSE-02-48-413

Batch: B2H2206

Date Collected: 08/06/12

Sample Type: Solid

Sample Wt: 0.137g

Sample Qualifiers:

%Solids: 66.51

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	2.67		0.176	2	08/22/12	08/23/12 sm



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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-05

Batch: B2H0905

Sample Type: Solid

Station ID: DSE-02-72-413

Date Collected: 08/06/12

Sample Wt: 5.004g

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	52.0		104	82-120	08/09/12	08/09/12
Surr: Toluene-d8	48.6		97.1	81-116	"	"
Surr: 4-Bromofluorobenzene	50.4		101	80-116	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U	RL	749	50	08/09/12	08/09/12
Chloromethane (74-87-3)	U		250	"	"	"
Vinyl chloride (75-01-4)	U		99.9	"	"	"
Bromomethane (74-83-9)	U		250	"	"	"
Chloroethane (75-00-3)	U		99.9	"	"	"
Trichlorofluoromethane (75-69-4)	U		99.9	"	"	"
1,1-Dichloroethene (75-35-4)	U		99.9	"	"	"
Carbon disulfide (75-15-0)	U		99.9	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		99.9	"	"	"
Acetone (67-64-1)	1,880		500	"	"	"
Methylene chloride (75-09-2)	U		99.9	"	"	"
Methyl acetate (79-20-9)	U		250	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		99.9	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		99.9	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		99.9	"	"	"
1,1-Dichloroethane (75-34-3)	U		99.9	"	"	"
2-Butanone (78-93-3)	U		250	"	"	"
Chloroform (67-66-3)	U		99.9	"	"	"
1,2-Dichloroethane (107-06-2)	U		99.9	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		99.9	"	"	"
Cyclohexane (110-82-7)	1,440	J	99.9	"	"	"
Carbon tetrachloride (56-23-5)	U		99.9	"	"	"
Benzene (71-43-2)	1,010		99.9	"	"	"
Trichloroethene (79-01-6)	U		99.9	"	"	"
Methylcyclohexane (108-87-2)	7,410	J	99.9	"	"	"
1,2-Dichloropropane (78-87-5)	U		99.9	"	"	"
Bromodichloromethane (75-27-4)	U		99.9	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		99.9	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-05

Batch: B2H0905

Sample Type: Solid

Station ID: DSE-02-72-413

Date Collected: 08/06/12

Sample Wt: 5.004g

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		99.9	50	08/09/12	08/09/12
1,1,2-Trichloroethane (79-00-5)	U		99.9	"	"	"
Dibromochloromethane (124-48-1)	U		99.9	"	"	"
Bromoform (75-25-2)	U		99.9	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		250	"	"	"
Toluene (108-88-3)	4,480		99.9	"	"	"
Tetrachloroethene (127-18-4)	U		99.9	"	"	"
2-Hexanone (591-78-6)	U		250	"	"	"
1,2-Dibromoethane (106-93-4)	U		99.9	"	"	"
Chlorobenzene (108-90-7)	U		99.9	"	"	"
Ethylbenzene (100-41-4)	3,520		99.9	"	"	"
meta-/para-Xylene (na)	15,800		200	"	"	"
ortho-Xylene (95-47-6)	7,970		99.9	"	"	"
Styrene (100-42-5)	U		99.9	"	"	"
Isopropylbenzene (98-82-8)	1,360		99.9	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		99.9	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		99.9	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		99.9	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		99.9	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		250	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		250	"	"	"

kws



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-05

Station ID: DSE-02-72-413

Batch: B2H0902

Sample Type: Solid

Date Collected: 08/06/12

Sample Wt: 2.09g

%Solids: 73.68

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg (dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: 2-Fluorophenol</i>	36,700		75.3	38-101	08/09/12	08/15/12
<i>Surr: Phenol-d5</i>	41,000		84.3	42-105	"	"
<i>Surr: 2-Chlorophenol-d4</i>	35,400		72.7	40-100	"	"
<i>Surr: 1,2-Dichlorobenzene-d4</i>	21,200		65.2	37-100	"	"
<i>Surr: Nitrobenzene-d5</i>	27,500		84.6	42-108	"	"
<i>Surr: 2-Fluorobiphenyl</i>	30,800		95.0	51-103	"	"
<i>Surr: 2,4,6-Tribromophenol</i>	38,900		79.9	55-115	"	"
<i>Surr: Terphenyl-d14</i>	26,600		82.0	55-125	"	"

Targets

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	23,100		13,000	10	08/09/12	08/15/12
Acenaphthylene (208-96-8)	U		13,000	"	"	"
Acetophenone (98-86-2)	U		32,500	"	"	"
Anthracene (120-12-7)	13,000		13,000	"	"	"
Atrazine (1912-24-9)	U		32,500	"	"	"
Benzaldehyde (100-52-7)	U		32,500	"	"	"
Benzoic acid (65-85-0)	U		64,900	"	"	"
Benzo (a) anthracene (56-55-3)	U		32,500	"	"	"
Benzo (a) pyrene (50-32-8)	U		32,500	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		32,500	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		32,500	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		32,500	"	"	"
Benzyl alcohol (100-51-6)	U		32,500	"	"	"
1,1'-Biphenyl (92-52-4)	U		32,500	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		32,500	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		32,500	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		32,500	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		32,500	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		32,500	"	"	"
Butyl benzyl phthalate (85-68-7)	U		32,500	"	"	"
Carbazole (86-74-8)	U		32,500	"	"	"
Caprolactam (105-60-2)	U		32,500	"	"	"
4-Chloroaniline (106-47-8)	U		32,500	"	"	"



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-05

Station ID: DSE-02-72-413

Batch: B2H0902

Date Collected: 08/06/12

Sample Type: Solid

Sample Wt: 2.09g

Sample Qualifiers:

%Solids: 73.68

Targets (Continued)

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chloronaphthalene (91-58-7)	U		32,500	10	08/09/12	08/15/12
2-Chlorophenol (95-57-8)	U		32,500	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		32,500	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		32,500	"	"	"
Chrysene (218-01-9)	U		32,500	"	"	"
Dibenzofuran (132-64-9)	U		32,500	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		32,500	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		32,500	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		32,500	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		32,500	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		32,500	"	"	"
2,4-Dichlorophenol (120-83-2)	U		32,500	"	"	"
Diethyl phthalate (84-66-2)	U		32,500	"	"	"
2,4-Dimethylphenol (105-67-9)	U		32,500	"	"	"
Dimethyl phthalate (131-11-3)	U		32,500	"	"	"
2,4-Dinitrophenol (51-28-5)	U		130,000	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		32,500	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		32,500	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		130,000	"	"	"
Di-n-butyl phthalate (84-74-2)	U		32,500	"	"	"
Di-n-octyl phthalate (117-84-0)	U		32,500	"	"	"
Fluoranthene (206-44-0)	U		13,000	"	"	"
Fluorene (86-73-7)	61,700		13,000	"	"	"
Hexachlorobenzene (118-74-1)	U		32,500	"	"	"
Hexachlorobutadiene (87-68-3)	U		32,500	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		32,500	"	"	"
Hexachloroethane (67-72-1)	U		32,500	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		32,500	"	"	"
Isophorone (78-59-1)	U		32,500	"	"	"
2-Methylnaphthalene (91-57-6)	517,000		13,000	"	"	"
2-Methylphenol (95-48-7)	U		32,500	"	"	"
3 &/or 4-Methylphenol (106-44-5)	U		32,500	"	"	"
Naphthalene (91-20-3)	79,900		13,000	"	"	"
2-Nitroaniline (88-74-4)	U		52,000	"	"	"
3-Nitroaniline (99-09-2)	U		52,000	"	"	"



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-05

Station ID: DSE-02-72-413

Batch: B2H0902

Date Collected: 08/06/12

Sample Type: Solid

Sample Wt: 2.09g

Sample Qualifiers:

%Solids: 73.68

Targets (Continued)

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Nitroaniline (100-01-6)	U		52,000	10	08/09/12	08/15/12
Nitrobenzene (98-95-3)	U		32,500	"	"	"
2-Nitrophenol (88-75-5)	U		32,500	"	"	"
4-Nitrophenol (100-02-7)	U		84,400	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		32,500	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		32,500	"	"	"
Pentachlorophenol (87-86-5)	U		32,500	"	"	"
Phenanthrene (85-01-8)	100,000		13,000	"	"	"
Phenol (108-95-2)	U		32,500	"	"	"
Pyrene (129-00-0)	13,500		13,000	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		32,500	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		32,500	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		32,500	"	"	"

BJS



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Pesticide/PCB by OLM04.2 - GC/ECD

Lab ID: 1208003-05

Station ID: DSE-02-72-413

Batch: B2H0901

Sample Type: Solid

Date Collected: 08/06/12

Sample Wt: 10.061g

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg (dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: Tetrachloro-meta-xylene	14.5		43.1	41-112	08/09/12	08/17/12
Surr: Decachlorobiphenyl	42.7		126 #	49-122	"	"

Targets

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aldrin (309-00-2)	U		13.5	10	08/09/12	08/17/12
alpha-BHC (319-84-6)	U		13.5	"	"	"
beta-BHC (319-85-7)	U		13.5	"	"	"
delta-BHC (319-86-8)	U		13.5	"	"	"
gamma-BHC (Lindane) (58-89-9)	U		13.5	"	"	"
4,4'-DDD (72-54-8)	U		13.5	"	"	"
4,4'-DDE (72-55-9)	U		13.5	"	"	"
4,4'-DDT (50-29-3)	U		13.5	"	"	"
Dieldrin (60-57-1)	U		13.5	"	"	"
Endosulfan I (959-98-8)	U		13.5	"	"	"
Endosulfan II (33213-65-9)	U		13.5	"	"	"
Endosulfan sulfate (1031-07-8)	U		13.5	"	"	"
Endrin (72-20-8)	U		13.5	"	"	"
Endrin aldehyde (7421-93-4)	U	RL	27.0	"	"	"
Endrin ketone (53494-70-5)	U		13.5	"	"	"
Heptachlor (76-44-8)	U		13.5	"	"	"
Heptachlor epoxide (1024-57-3)	U		13.5	"	"	"
Methoxychlor (72-43-5)	U	RL	80.9	"	"	"
alpha-Chlordane (5103-71-9)	U		13.5	"	"	"
gamma-Chlordane (5103-74-2)	U		13.5	"	"	"
Toxaphene (8001-35-2)	U		405	"	"	"
Aroclor-1016 (12674-11-2)	U	RL	67.4	1	"	08/22/12
Aroclor-1221 (11104-28-2)	U	RL	135	"	"	"
Aroclor-1232 (11141-16-5)	U	RL	67.4	"	"	"
Aroclor-1242 (53469-21-9)	U	RL	67.4	"	"	"
Aroclor-1248 (12672-29-6)	U	RL	67.4	"	"	"
Aroclor-1254 (11097-69-1)	U	RL	33.7	"	"	08/23/12
Aroclor-1260 (11096-82-5)	U	RL	33.7	"	"	08/22/12

LW



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208003-05

Batch: B2H2204

Sample Type: Solid

Station ID: DSE-02-72-413

Date Collected: 08/06/12

Sample Wt: 0.53g

%Solids: 73.68

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	2,630		12.8	1	08/22/12	08/31/12
Barium (7440-39-3)	740		1.3	"	"	"
Beryllium (7440-41-7)	U		0.6	"	"	"
Cadmium (7440-43-9)	5.6		0.6	"	"	"
Calcium (7440-70-2)	15,200		19.2	"	"	"
Chromium (7440-47-3)	218		1.3	"	"	"
Cobalt (7440-48-4)	4.9		2.6	"	"	"
Copper (7440-50-8)	58.6		2.6	"	"	"
Iron (7439-89-6)	10,300		3.2	"	"	"
Magnesium (7439-95-4)	1,700		19.2	"	"	"
Manganese (7439-96-5)	432		0.6	"	"	"
Nickel (7440-02-2)	10.1		2.6	"	"	"
Potassium (7440-09-7)	623		128	"	"	"
Silver (7440-22-4)	2.6	K	1.3	"	"	"
Sodium (7440-23-5)	1,520		64.0	"	"	"
Vanadium (7440-62-2)	10.5		2.6	"	"	"
Zinc (7440-66-6)	1,080		2.6	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208003-05

Batch: B2H2205

Sample Type: Solid

Station ID: DSE-02-72-413

Date Collected: 08/06/12

Sample Wt: 0.53g

%Solids: 73.68

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	4.7		1.3	20	"	09/04/12
Arsenic (7440-38-2)	25.1		1.3	"	"	"
Lead (7439-92-1)	590		1.3	"	"	"
Selenium (7782-49-2)	U		1.3	"	"	"
Thallium (7440-28-0)	U		1.3	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208003-05

Station ID: DSE-02-72-413

Batch: B2H2206

Date Collected: 08/06/12

Sample Type: Solid

Sample Wt: 0.15g

Sample Qualifiers:

%Solids: 73.68

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	1.10		0.072	1	08/22/12	08/23/12 sm



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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-06

Batch: B2H0905

Sample Type: Solid

Station ID: DSE-02-96-413

Date Collected: 08/06/12

Sample Wt: 5.001g

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	52.4		105	82-120	08/09/12	08/09/12
Surr: Toluene-d8	51.1		102	81-116	"	"
Surr: 4-Bromofluorobenzene	48.6		97.3	80-116	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U	RL	750	50	08/09/12	08/09/12
Chloromethane (74-87-3)	U		250	"	"	"
Vinyl chloride (75-01-4)	U		100	"	"	"
Bromomethane (74-83-9)	U		250	"	"	"
Chloroethane (75-00-3)	U		100	"	"	"
Trichlorofluoromethane (75-69-4)	U		100	"	"	"
1,1-Dichloroethene (75-35-4)	U		100	"	"	"
Carbon disulfide (75-15-0)	U		100	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		100	"	"	"
Acetone (67-64-1)	1,330	J	500	"	"	"
Methylene chloride (75-09-2)	U		100	"	"	"
Methyl acetate (79-20-9)	U		250	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		100	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		100	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		100	"	"	"
1,1-Dichloroethane (75-34-3)	U		100	"	"	"
2-Butanone (78-93-3)	U		250	"	"	"
Chloroform (67-66-3)	U		100	"	"	"
1,2-Dichloroethane (107-06-2)	U		100	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		100	"	"	"
Cyclohexane (110-82-7)	2,270	J	100	"	"	"
Carbon tetrachloride (56-23-5)	U		100	"	"	"
Benzene (71-43-2)	732		100	"	"	"
Trichloroethene (79-01-6)	U		100	"	"	"
Methylcyclohexane (108-87-2)	8,130	J	200	100	"	08/10/12
1,2-Dichloropropane (78-87-5)	U		100	50	"	08/09/12
Bromodichloromethane (75-27-4)	U		100	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		100	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-06

Station ID: DSE-02-96-413

Batch: B2H0905

Date Collected: 08/06/12

Sample Type: Solid

Sample Wt: 5.001g

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		100	50	08/09/12	08/09/12
1,1,2-Trichloroethane (79-00-5)	U		100	"	"	"
Dibromochloromethane (124-48-1)	U		100	"	"	"
Bromoform (75-25-2)	U		100	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		250	"	"	"
Toluene (108-88-3)	7,450		100	"	"	"
Tetrachloroethene (127-18-4)	U		100	"	"	"
2-Hexanone (591-78-6)	U		250	"	"	"
1,2-Dibromoethane (106-93-4)	U		100	"	"	"
Chlorobenzene (108-90-7)	U		100	"	"	"
Ethylbenzene (100-41-4)	6,480		100	"	"	"
meta-/para-Xylene (na)	23,900		400	100	"	08/10/12
ortho-Xylene (95-47-6)	11,800		200	"	"	"
Styrene (100-42-5)	U		100	50	"	08/09/12
Isopropylbenzene (98-82-8)	2,650		100	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		100	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		100	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		100	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		100	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		250	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		250	"	"	"

kws



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-06

Station ID: DSE-02-96-413

Batch: B2H0902

Sample Type: Solid

Date Collected: 08/06/12

Sample Wt: 5.274g

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg (dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: 2-Fluorophenol</i>	13,500		68.0	38-101	08/09/12	08/17/12
<i>Surr: Phenol-d5</i>	10,300		52.0	42-105	"	"
<i>Surr: 2-Chlorophenol-d4</i>	9,460		47.6	40-100	"	"
<i>Surr: 1,2-Dichlorobenzene-d4</i>	5,660		42.7	37-100	"	"
<i>Surr: Nitrobenzene-d5</i>	12,600		94.9	42-108	"	"
<i>Surr: 2-Fluorobiphenyl</i>	13,000		98.2	51-103	"	"
<i>Surr: 2,4,6-Tribromophenol</i>	16,900		84.8	55-115	"	"
<i>Surr: Terphenyl-d14</i>	8,520		64.3	55-125	"	"

Targets

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		10,600	20	08/09/12	08/15/12
Acenaphthylene (208-96-8)	U		530	1	"	08/17/12
Acetophenone (98-86-2)	U		1,330	"	"	"
Anthracene (120-12-7)	1,550	J	530	"	"	"
Atrazine (1912-24-9)	U		1,330	"	"	"
Benzaldehyde (100-52-7)	U		1,330	"	"	"
Benzoic acid (65-85-0)	U		2,650	"	"	"
Benzo (a) anthracene (56-55-3)	U		1,330	"	"	"
Benzo (a) pyrene (50-32-8)	U		1,330	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		1,330	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		1,330	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		1,330	"	"	"
Benzyl alcohol (100-51-6)	U		1,330	"	"	"
1,1'-Biphenyl (92-52-4)	16,800		15,900	20	"	08/15/12
Bis(2-chloroethoxy)methane (111-91-1)	U		1,330	1	"	08/17/12
Bis(2-chloroethyl)ether (111-44-4)	U		1,330	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		1,330	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		1,330	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		1,330	"	"	"
Butyl benzyl phthalate (85-68-7)	U		1,330	"	"	"
Carbazole (86-74-8)	U		1,330	"	"	"
Caprolactam (105-60-2)	U		1,330	"	"	"
4-Chloroaniline (106-47-8)	U		1,330	"	"	"



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-06

Station ID: DSE-02-96-413

Batch: B2H0902

Date Collected: 08/06/12

Sample Type: Solid

Sample Wt: 5.274g

Sample Qualifiers:

%Solids: 71.51

Targets (Continued)

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chloronaphthalene (91-58-7)	U		1,330	1	08/09/12	08/17/12
2-Chlorophenol (95-57-8)	U		1,330	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		1,330	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		1,330	"	"	"
Chrysene (218-01-9)	U		1,330	"	"	"
Dibenzofuran (132-64-9)	10,500	J	1,330	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		1,330	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1,330	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1,330	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1,330	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		1,330	"	"	"
2,4-Dichlorophenol (120-83-2)	U		1,330	"	"	"
Diethyl phthalate (84-66-2)	U		1,330	"	"	"
2,4-Dimethylphenol (105-67-9)	U		1,330	"	"	"
Dimethyl phthalate (131-11-3)	U		1,330	"	"	"
2,4-Dinitrophenol (51-28-5)	U		5,300	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		1,330	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		1,330	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		5,300	"	"	"
Di-n-butyl phthalate (84-74-2)	U		1,330	"	"	"
Di-n-octyl phthalate (117-84-0)	U		1,330	"	"	"
Fluoranthene (206-44-0)	1,490	J	530	"	"	"
Fluorene (86-73-7)	12,800		10,600	20	"	08/15/12
Hexachlorobenzene (118-74-1)	U		1,330	1	"	08/17/12
Hexachlorobutadiene (87-68-3)	U		1,330	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		1,330	"	"	"
Hexachloroethane (67-72-1)	U		1,330	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		1,330	"	"	"
Isophorone (78-59-1)	U		1,330	"	"	"
2-Methylnaphthalene (91-57-6)	182,000		10,600	20	"	08/15/12
2-Methylphenol (95-48-7)	U		1,330	1	"	08/17/12
3 &/or 4-Methylphenol (106-44-5)	U		1,330	"	"	"
Naphthalene (91-20-3)	50,600		10,600	20	"	08/15/12
2-Nitroaniline (88-74-4)	U		2,120	1	"	08/17/12
3-Nitroaniline (99-09-2)	U		2,120	"	"	"



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208003-06

Station ID: DSE-02-96-413

Batch: B2H0902

Date Collected: 08/06/12

Sample Type: Solid

Sample Wt: 5.274g

Sample Qualifiers:

%Solids: 71.51

Targets (Continued)

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Nitroaniline (100-01-6)	U		2,120	1	08/09/12	08/17/12
Nitrobenzene (98-95-3)	U		1,330	"	"	"
2-Nitrophenol (88-75-5)	U		1,330	"	"	"
4-Nitrophenol (100-02-7)	U		3,450	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		1,330	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		1,330	"	"	"
Pentachlorophenol (87-86-5)	U		1,330	"	"	"
Phenanthrene (85-01-8)	31,300		10,600	20	"	08/15/12
Phenol (108-95-2)	U		1,330	1	"	08/17/12
Pyrene (129-00-0)	1,270		530	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1,330	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		1,330	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		1,330	"	"	"

BJS



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Pesticide/PCB by OLM04.2 - GC/ECD

Lab ID: 1208003-06

Station ID: DSE-02-96-413

Batch: B2H0901

Sample Type: Solid

Date Collected: 08/06/12

Sample Wt: 10.358g

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg (dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: Tetrachloro-meta-xylene	16.6		49.2	41-112	08/09/12	08/17/12
Surr: Decachlorobiphenyl	40.9		121	49-122	"	"

Targets

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aldrin (309-00-2)	U		13.5	10	08/09/12	08/17/12
alpha-BHC (319-84-6)	U		13.5	"	"	"
beta-BHC (319-85-7)	U		13.5	"	"	"
delta-BHC (319-86-8)	U		13.5	"	"	"
gamma-BHC (Lindane) (58-89-9)	U		13.5	"	"	"
4,4'-DDD (72-54-8)	U		13.5	"	"	"
4,4'-DDE (72-55-9)	U		13.5	"	"	"
4,4'-DDT (50-29-3)	U		13.5	"	"	"
Dieldrin (60-57-1)	U		13.5	"	"	"
Endosulfan I (959-98-8)	U		13.5	"	"	"
Endosulfan II (33213-65-9)	U		13.5	"	"	"
Endosulfan sulfate (1031-07-8)	U		13.5	"	"	"
Endrin (72-20-8)	U		13.5	"	"	"
Endrin aldehyde (7421-93-4)	U		13.5	"	"	"
Endrin ketone (53494-70-5)	U		13.5	"	"	"
Heptachlor (76-44-8)	U		13.5	"	"	"
Heptachlor epoxide (1024-57-3)	U		13.5	"	"	"
Methoxychlor (72-43-5)	U		13.5	"	"	"
alpha-Chlordane (5103-71-9)	U		13.5	"	"	"
gamma-Chlordane (5103-74-2)	U		13.5	"	"	"
Toxaphene (8001-35-2)	U		405	"	"	"
Aroclor-1016 (12674-11-2)	U	RL	33.8	1	"	08/22/12
Aroclor-1221 (11104-28-2)	U	RL	67.5	"	"	"
Aroclor-1232 (11141-16-5)	U	RL	33.8	"	"	"
Aroclor-1242 (53469-21-9)	U	RL	33.8	"	"	"
Aroclor-1248 (12672-29-6)	U	RL	33.8	"	"	"
Aroclor-1254 (11097-69-1)	114		27.0	"	"	08/23/12
Aroclor-1260 (11096-82-5)	34.9	NJ	33.8	"	"	08/22/12

LW



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208003-06

Batch: B2H2204

Sample Type: Solid

Station ID: DSE-02-96-413

Date Collected: 08/06/12

Sample Wt: 0.528g

%Solids: 71.51

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	4,870		13.2	1	08/22/12	08/31/12
Barium (7440-39-3)	617		1.3	"	"	"
Beryllium (7440-41-7)	U		0.7	"	"	"
Cadmium (7440-43-9)	5.8		0.7	"	"	"
Calcium (7440-70-2)	14,000		19.9	"	"	"
Chromium (7440-47-3)	114		1.3	"	"	"
Cobalt (7440-48-4)	7.0		2.6	"	"	"
Copper (7440-50-8)	65.1		2.6	"	"	"
Iron (7439-89-6)	15,300		3.3	"	"	"
Magnesium (7439-95-4)	3,060		19.9	"	"	"
Manganese (7439-96-5)	511		0.7	"	"	"
Nickel (7440-02-2)	15.0		2.6	"	"	"
Potassium (7440-09-7)	940		132	"	"	"
Silver (7440-22-4)	2.1	K	1.3	"	"	"
Sodium (7440-23-5)	1,430		66.2	"	"	"
Vanadium (7440-62-2)	15.9		2.6	"	"	"
Zinc (7440-66-6)	1,200		2.6	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208003-06

Batch: B2H2205

Sample Type: Solid

Station ID: DSE-02-96-413

Date Collected: 08/06/12

Sample Wt: 0.528g

%Solids: 71.51

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	4.5		1.3	20	"	09/04/12
Arsenic (7440-38-2)	43.9		1.3	"	"	"
Lead (7439-92-1)	572		1.3	"	"	"
Selenium (7782-49-2)	U		1.3	"	"	"
Thallium (7440-28-0)	U		1.3	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208003-06

Batch: B2H2206

Sample Type: Solid

Date Collected: 08/06/12

Sample Wt: 0.125g

%Solids: 71.51

Station ID: DSE-02-96-413

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	0.260		0.089	1	08/22/12	08/23/12 sm

Metals by CLP ILMO5.3 - ICP

Lab ID: 1208005-01

Batch: B2H2002

Sample Type: Liquid

Date Collected: 08/08/12

Sample Vol: 50ml

Station ID: DC-01-00-111

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	198		100	1	08/20/12	08/29/12
Barium (7440-39-3)	95.4		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	23,200		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	425		25.0	"	"	"
Magnesium (7439-95-4)	9,800		150	"	"	"
Manganese (7439-96-5)	139		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	3,390		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	30,900		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	27.3		20.0	"	"	"

ts



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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208005-01

Batch: B2H2003

Sample Type: Liquid

Station ID: DC-01-00-111

Date Collected: 08/08/12

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.0	4	08/20/12	08/31/12
Arsenic (7440-38-2)	2.2		2.0	"	"	"
Lead (7439-92-1)	U		2.0	"	"	"
Selenium (7782-49-2)	U		2.0	"	"	"
Thallium (7440-28-0)	U		2.0	"	"	"

KD

Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208005-01

Batch: B2H2404

Sample Type: Liquid

Station ID: DC-01-00-111

Date Collected: 08/08/12

Sample Vol: 25ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	08/24/12	08/24/12

sm



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208005-02

Batch: B2H2204

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 0.532g

%Solids: 49.46

Station ID: DC-01-03-611

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	7,620		19.0	1	08/22/12	08/31/12
Barium (7440-39-3)	1,900		1.9	"	"	"
Beryllium (7440-41-7)	U		1.0	"	"	"
Cadmium (7440-43-9)	U		1.0	"	"	"
Calcium (7440-70-2)	8,120		28.5	"	"	"
Chromium (7440-47-3)	11.1		1.9	"	"	"
Cobalt (7440-48-4)	11.4		3.8	"	"	"
Copper (7440-50-8)	27.0		3.8	"	"	"
Iron (7439-89-6)	16,100		4.8	"	"	"
Magnesium (7439-95-4)	5,600		28.5	"	"	"
Manganese (7439-96-5)	627		1.0	"	"	"
Nickel (7440-02-2)	20.3		3.8	"	"	"
Potassium (7440-09-7)	1,360		190	"	"	"
Silver (7440-22-4)	U		1.9	"	"	"
Sodium (7440-23-5)	608		95.0	"	"	"
Vanadium (7440-62-2)	20.7		3.8	"	"	"
Zinc (7440-66-6)	138		3.8	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208005-02

Batch: B2H2205

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 0.532g

%Solids: 49.46

Station ID: DC-01-03-611

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		1.9	20	"	09/04/12
Arsenic (7440-38-2)	7.6		1.9	"	"	"
Lead (7439-92-1)	22.4		1.9	"	"	"
Selenium (7782-49-2)	U		1.9	"	"	"
Thallium (7440-28-0)	U		1.9	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208005-02

Station ID: DC-01-03-611

Batch: B2H2206

Date Collected: 08/08/12

Sample Type: Solid

Sample Wt: 0.163g

Sample Qualifiers:

%Solids: 49.46

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.099	1	08/22/12	08/23/12 sm



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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-03

Batch: B2H0905

Sample Type: Solid

Station ID: DSE-01-120-413

Date Collected: 08/08/12

Sample Wt: 5g

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	53.7		107	82-120	08/09/12	08/09/12
Surr: Toluene-d8	47.7		95.5	81-116	"	"
Surr: 4-Bromofluorobenzene	51.6		103	80-116	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U	RL	750	50	08/09/12	08/09/12
Chloromethane (74-87-3)	U		250	"	"	"
Vinyl chloride (75-01-4)	U		100	"	"	"
Bromomethane (74-83-9)	U		250	"	"	"
Chloroethane (75-00-3)	U		100	"	"	"
Trichlorofluoromethane (75-69-4)	U		100	"	"	"
1,1-Dichloroethene (75-35-4)	U		100	"	"	"
Carbon disulfide (75-15-0)	U		100	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		100	"	"	"
Acetone (67-64-1)	U		500	"	"	"
Methylene chloride (75-09-2)	U		100	"	"	"
Methyl acetate (79-20-9)	U		250	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		100	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		100	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		100	"	"	"
1,1-Dichloroethane (75-34-3)	U		100	"	"	"
2-Butanone (78-93-3)	U		250	"	"	"
Chloroform (67-66-3)	U		100	"	"	"
1,2-Dichloroethane (107-06-2)	U		100	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		100	"	"	"
Cyclohexane (110-82-7)	186	J	100	"	"	"
Carbon tetrachloride (56-23-5)	U		100	"	"	"
Benzene (71-43-2)	U		100	"	"	"
Trichloroethene (79-01-6)	U		100	"	"	"
Methylcyclohexane (108-87-2)	1,000	J	100	"	"	"
1,2-Dichloropropane (78-87-5)	U		100	"	"	"
Bromodichloromethane (75-27-4)	U		100	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		100	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-03

Batch: B2H0905

Sample Type: Solid

Station ID: DSE-01-120-413

Date Collected: 08/08/12

Sample Wt: 5g

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		100	50	08/09/12	08/09/12
1,1,2-Trichloroethane (79-00-5)	U		100	"	"	"
Dibromochloromethane (124-48-1)	U		100	"	"	"
Bromoform (75-25-2)	U		100	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		250	"	"	"
Toluene (108-88-3)	349		100	"	"	"
Tetrachloroethene (127-18-4)	U		100	"	"	"
2-Hexanone (591-78-6)	U		250	"	"	"
1,2-Dibromoethane (106-93-4)	U		100	"	"	"
Chlorobenzene (108-90-7)	U		100	"	"	"
Ethylbenzene (100-41-4)	492		100	"	"	"
meta-/para-Xylene (na)	2,100		200	"	"	"
ortho-Xylene (95-47-6)	977		100	"	"	"
Styrene (100-42-5)	U		100	"	"	"
Isopropylbenzene (98-82-8)	324		100	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		100	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		100	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		100	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		100	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		250	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		250	"	"	"

kws



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-03

Batch: B2H1002

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 2.105g

%Solids: 66.17

Station ID: DSE-01-120-413

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg (dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: 2-Fluorophenol</i>	53,600		99.5	38-101	08/10/12	08/17/12
<i>Surr: Phenol-d5</i>	38,400		71.2	42-105	"	"
<i>Surr: 2-Chlorophenol-d4</i>	36,700		68.2	40-100	"	"
<i>Surr: 1,2-Dichlorobenzene-d4</i>	27,600		76.8	37-100	"	"
<i>Surr: Nitrobenzene-d5</i>	37,200		104	42-108	"	"
<i>Surr: 2-Fluorobiphenyl</i>	40,000		111 #	51-103	"	"
<i>Surr: 2,4,6-Tribromophenol</i>	49,000		90.9	55-115	"	"
<i>Surr: Terphenyl-d14</i>	25,400		70.7	55-125	"	"

Targets

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	6,070	J	1,440	1	08/10/12	08/17/12
Acenaphthylene (208-96-8)	U		1,440	"	"	"
Acetophenone (98-86-2)	U		3,590	"	"	"
Anthracene (120-12-7)	3,470		1,440	"	"	"
Atrazine (1912-24-9)	U		3,590	"	"	"
Benzaldehyde (100-52-7)	U		3,590	"	"	"
Benzoic acid (65-85-0)	U		7,180	"	"	"
Benzo (a) anthracene (56-55-3)	U		3,590	"	"	"
Benzo (a) pyrene (50-32-8)	U		3,590	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		3,590	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		3,590	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		3,590	"	"	"
Benzyl alcohol (100-51-6)	U		3,590	"	"	"
1,1'-Biphenyl (92-52-4)	14,700	J	3,590	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		3,590	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		3,590	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		3,590	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		3,590	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		3,590	"	"	"
Butyl benzyl phthalate (85-68-7)	U		3,590	"	"	"
Carbazole (86-74-8)	U		3,590	"	"	"
Caprolactam (105-60-2)	U		3,590	"	"	"
4-Chloroaniline (106-47-8)	U		3,590	"	"	"



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-03

Station ID: DSE-01-120-413

Batch: B2H1002

Date Collected: 08/08/12

Sample Type: Solid

Sample Wt: 2.105g

Sample Qualifiers:

%Solids: 66.17

Targets (Continued)

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chloronaphthalene (91-58-7)	U		3,590	1	08/10/12	08/17/12
2-Chlorophenol (95-57-8)	U		3,590	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		3,590	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		3,590	"	"	"
Chrysene (218-01-9)	U		3,590	"	"	"
Dibenzofuran (132-64-9)	10,300	J	3,590	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		3,590	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		3,590	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		3,590	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		3,590	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		3,590	"	"	"
2,4-Dichlorophenol (120-83-2)	U		3,590	"	"	"
Diethyl phthalate (84-66-2)	U		3,590	"	"	"
2,4-Dimethylphenol (105-67-9)	U		3,590	"	"	"
Dimethyl phthalate (131-11-3)	U		3,590	"	"	"
2,4-Dinitrophenol (51-28-5)	U		14,400	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		3,590	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		3,590	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		14,400	"	"	"
Di-n-butyl phthalate (84-74-2)	U		3,590	"	"	"
Di-n-octyl phthalate (117-84-0)	U		3,590	"	"	"
Fluoranthene (206-44-0)	U		1,440	"	"	"
Fluorene (86-73-7)	14,900		14,400	10	"	08/15/12
Hexachlorobenzene (118-74-1)	U		3,590	1	"	08/17/12
Hexachlorobutadiene (87-68-3)	U		3,590	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		3,590	"	"	"
Hexachloroethane (67-72-1)	U		3,590	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		3,590	"	"	"
Isophorone (78-59-1)	U		3,590	"	"	"
2-Methylnaphthalene (91-57-6)	213,000		14,400	10	"	08/15/12
2-Methylphenol (95-48-7)	U		3,590	1	"	08/17/12
3 &/or 4-Methylphenol (106-44-5)	U		3,590	"	"	"
Naphthalene (91-20-3)	44,200		1,440	"	"	"
2-Nitroaniline (88-74-4)	U		5,740	"	"	"
3-Nitroaniline (99-09-2)	U		5,740	"	"	"



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Region 6 Laboratory

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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-03

Station ID: DSE-01-120-413

Batch: B2H1002

Date Collected: 08/08/12

Sample Type: Solid

Sample Wt: 2.105g

Sample Qualifiers:

%Solids: 66.17

Targets (Continued)

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Nitroaniline (100-01-6)	U		5,740	1	08/10/12	08/17/12
Nitrobenzene (98-95-3)	U		3,590	"	"	"
2-Nitrophenol (88-75-5)	U		3,590	"	"	"
4-Nitrophenol (100-02-7)	U		9,330	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		3,590	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		3,590	"	"	"
Pentachlorophenol (87-86-5)	U		3,590	"	"	"
Phenanthrene (85-01-8)	33,400		1,440	"	"	"
Phenol (108-95-2)	U		3,590	"	"	"
Pyrene (129-00-0)	1,550		1,440	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		3,590	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		3,590	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		3,590	"	"	"

BJS



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Pesticide/PCB by OLM04.2 - GC/ECD

Lab ID: 1208005-03

Station ID: DSE-01-120-413

Batch: B2H1001

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 5.251g

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg (dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: Tetrachloro-meta-xylene	39.5		54.8	41-112	08/10/12	08/23/12
Surr: Decachlorobiphenyl	65.1		90.5	49-122	"	"

Targets

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aldrin (309-00-2)	U		2.88	1	08/10/12	08/16/12
alpha-BHC (319-84-6)	U		2.88	"	"	08/23/12
beta-BHC (319-85-7)	U		2.88	"	"	"
delta-BHC (319-86-8)	U		2.88	"	"	"
gamma-BHC (Lindane) (58-89-9)	U		2.88	"	"	"
4,4'-DDD (72-54-8)	U		2.88	"	"	"
4,4'-DDE (72-55-9)	34.1		2.88	"	"	"
4,4'-DDT (50-29-3)	U	RL	5.76	"	"	"
Dieldrin (60-57-1)	U		2.88	"	"	08/16/12
Endosulfan I (959-98-8)	U		2.88	"	"	"
Endosulfan II (33213-65-9)	U		2.88	"	"	"
Endosulfan sulfate (1031-07-8)	U		2.88	"	"	"
Endrin (72-20-8)	U		2.88	"	"	"
Endrin aldehyde (7421-93-4)	U	RL	13.0	"	"	"
Endrin ketone (53494-70-5)	U		2.88	"	"	"
Heptachlor (76-44-8)	U	RL	4.32	"	"	08/23/12
Heptachlor epoxide (1024-57-3)	U		2.88	"	"	08/16/12
Methoxychlor (72-43-5)	U	RL	7.20	"	"	"
alpha-Chlordane (5103-71-9)	U		2.88	"	"	08/23/12
gamma-Chlordane (5103-74-2)	U		2.88	"	"	"
Toxaphene (8001-35-2)	U		86.3	"	"	08/22/12
Aroclor-1016 (12674-11-2)	U		57.6	"	"	"
Aroclor-1221 (11104-28-2)	U		115	"	"	"
Aroclor-1232 (11141-16-5)	U		57.6	"	"	"
Aroclor-1242 (53469-21-9)	U		57.6	"	"	"
Aroclor-1248 (12672-29-6)	U		57.6	"	"	"
Aroclor-1254 (11097-69-1)	U		57.6	"	"	08/23/12
Aroclor-1260 (11096-82-5)	U		57.6	"	"	08/22/12

LW



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208005-03

Batch: B2H2204

Sample Type: Solid

Station ID: DSE-01-120-413

Date Collected: 08/08/12

Sample Wt: 0.537g

%Solids: 66.17

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	7,310		14.1	1	08/22/12	08/31/12
Barium (7440-39-3)	1,060		1.4	"	"	"
Beryllium (7440-41-7)	U		0.7	"	"	"
Cadmium (7440-43-9)	1.5		0.7	"	"	"
Calcium (7440-70-2)	14,300		21.1	"	"	"
Chromium (7440-47-3)	96.2		1.4	"	"	"
Cobalt (7440-48-4)	9.2		2.8	"	"	"
Copper (7440-50-8)	36.0		2.8	"	"	"
Iron (7439-89-6)	17,000		3.5	"	"	"
Magnesium (7439-95-4)	4,070		21.1	"	"	"
Manganese (7439-96-5)	465		0.7	"	"	"
Nickel (7440-02-2)	18.5		2.8	"	"	"
Potassium (7440-09-7)	1,270		141	"	"	"
Silver (7440-22-4)	U		1.4	"	"	"
Sodium (7440-23-5)	1,990		70.4	"	"	"
Vanadium (7440-62-2)	21.3		2.8	"	"	"
Zinc (7440-66-6)	361		2.8	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208005-03

Batch: B2H2205

Sample Type: Solid

Station ID: DSE-01-120-413

Date Collected: 08/08/12

Sample Wt: 0.537g

%Solids: 66.17

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	1.9		1.4	20	"	09/04/12
Arsenic (7440-38-2)	26.3		1.4	"	"	"
Lead (7439-92-1)	310		1.4	"	"	"
Selenium (7782-49-2)	U		1.4	"	"	"
Thallium (7440-28-0)	U		1.4	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208005-03

Batch: B2H2206

Sample Type: Solid

Station ID: DSE-01-120-413

Date Collected: 08/08/12

Sample Wt: 0.149g

%Solids: 66.17

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	0.609		0.081	1	08/22/12	08/23/12 sm



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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-04

Batch: B2H0905

Sample Type: Solid

Station ID: DSE-01-144-413

Date Collected: 08/08/12

Sample Wt: 5.006g

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	48.5		97.0	82-120	08/09/12	08/09/12
Surr: Toluene-d8	47.2		94.5	81-116	"	"
Surr: 4-Bromofluorobenzene	50.4		101	80-116	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U	RL	749	50	08/09/12	08/09/12
Chloromethane (74-87-3)	U		250	"	"	"
Vinyl chloride (75-01-4)	U		99.9	"	"	"
Bromomethane (74-83-9)	U		250	"	"	"
Chloroethane (75-00-3)	U		99.9	"	"	"
Trichlorofluoromethane (75-69-4)	U		99.9	"	"	"
1,1-Dichloroethene (75-35-4)	U		99.9	"	"	"
Carbon disulfide (75-15-0)	U		99.9	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		99.9	"	"	"
Acetone (67-64-1)	U		499	"	"	"
Methylene chloride (75-09-2)	U		99.9	"	"	"
Methyl acetate (79-20-9)	U		250	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		99.9	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		99.9	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		99.9	"	"	"
1,1-Dichloroethane (75-34-3)	U		99.9	"	"	"
2-Butanone (78-93-3)	U		250	"	"	"
Chloroform (67-66-3)	U		99.9	"	"	"
1,2-Dichloroethane (107-06-2)	U		99.9	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		99.9	"	"	"
Cyclohexane (110-82-7)	U		99.9	"	"	"
Carbon tetrachloride (56-23-5)	U		99.9	"	"	"
Benzene (71-43-2)	U		99.9	"	"	"
Trichloroethene (79-01-6)	U		99.9	"	"	"
Methylcyclohexane (108-87-2)	U		99.9	"	"	"
1,2-Dichloropropane (78-87-5)	U		99.9	"	"	"
Bromodichloromethane (75-27-4)	U		99.9	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		99.9	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-04

Batch: B2H0905

Sample Type: Solid

Station ID: DSE-01-144-413

Date Collected: 08/08/12

Sample Wt: 5.006g

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		99.9	50	08/09/12	08/09/12
1,1,2-Trichloroethane (79-00-5)	U		99.9	"	"	"
Dibromochloromethane (124-48-1)	U		99.9	"	"	"
Bromoform (75-25-2)	U		99.9	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		250	"	"	"
Toluene (108-88-3)	U		99.9	"	"	"
Tetrachloroethene (127-18-4)	U		99.9	"	"	"
2-Hexanone (591-78-6)	U		250	"	"	"
1,2-Dibromoethane (106-93-4)	U		99.9	"	"	"
Chlorobenzene (108-90-7)	U		99.9	"	"	"
Ethylbenzene (100-41-4)	U		99.9	"	"	"
meta-/para-Xylene (na)	U		200	"	"	"
ortho-Xylene (95-47-6)	U		99.9	"	"	"
Styrene (100-42-5)	U		99.9	"	"	"
Isopropylbenzene (98-82-8)	U		99.9	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		99.9	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		99.9	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		99.9	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		99.9	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		250	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		250	"	"	"

kws



Environmental Protection Agency
Region 6 Laboratory

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Phone:(281)983-2100 Fax:(281)983-2248

Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-04

Station ID: DSE-01-144-413

Batch: B2H1002

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 10.138g

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg (dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: 2-Fluorophenol</i>	5,400		43.7	38-101	08/10/12	08/13/12
<i>Surr: Phenol-d5</i>	6,650		53.8	42-105	"	"
<i>Surr: 2-Chlorophenol-d4</i>	5,550		44.9	40-100	"	"
<i>Surr: 1,2-Dichlorobenzene-d4</i>	3,430		41.6	37-100	"	"
<i>Surr: Nitrobenzene-d5</i>	4,270		51.8	42-108	"	"
<i>Surr: 2-Fluorobiphenyl</i>	6,390		77.5	51-103	"	"
<i>Surr: 2,4,6-Tribromophenol</i>	12,400		100	55-115	"	"
<i>Surr: Terphenyl-d14</i>	5,960		72.3	55-125	"	"

Targets

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	540		330	1	08/10/12	08/13/12
Acenaphthylene (208-96-8)	U		330	"	"	"
Acetophenone (98-86-2)	U		824	"	"	"
Anthracene (120-12-7)	U		330	"	"	"
Atrazine (1912-24-9)	U		824	"	"	"
Benzaldehyde (100-52-7)	U		824	"	"	"
Benzoic acid (65-85-0)	U		1,650	"	"	"
Benzo (a) anthracene (56-55-3)	U		824	"	"	"
Benzo (a) pyrene (50-32-8)	U		824	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		824	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		824	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		824	"	"	"
Benzyl alcohol (100-51-6)	U		824	"	"	"
1,1'-Biphenyl (92-52-4)	U		824	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		824	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		824	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		824	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		824	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		824	"	"	"
Butyl benzyl phthalate (85-68-7)	U		824	"	"	"
Carbazole (86-74-8)	U		824	"	"	"
Caprolactam (105-60-2)	U		824	"	"	"
4-Chloroaniline (106-47-8)	U		824	"	"	"



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-04

Station ID: DSE-01-144-413

Batch: B2H1002

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 10.138g

Sample Qualifiers:

%Solids: 59.83

Targets (Continued)

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chloronaphthalene (91-58-7)	U		824	1	08/10/12	08/13/12
2-Chlorophenol (95-57-8)	U		824	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		824	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		824	"	"	"
Chrysene (218-01-9)	U		824	"	"	"
Dibenzofuran (132-64-9)	U		824	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		824	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		824	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		824	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		824	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		824	"	"	"
2,4-Dichlorophenol (120-83-2)	U		824	"	"	"
Diethyl phthalate (84-66-2)	U		824	"	"	"
2,4-Dimethylphenol (105-67-9)	U		824	"	"	"
Dimethyl phthalate (131-11-3)	U		824	"	"	"
2,4-Dinitrophenol (51-28-5)	U		3,300	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		824	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		824	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		3,300	"	"	"
Di-n-butyl phthalate (84-74-2)	U		824	"	"	"
Di-n-octyl phthalate (117-84-0)	U		824	"	"	"
Fluoranthene (206-44-0)	U		330	"	"	"
Fluorene (86-73-7)	745	J	330	"	"	"
Hexachlorobenzene (118-74-1)	U		824	"	"	"
Hexachlorobutadiene (87-68-3)	U		824	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		824	"	"	"
Hexachloroethane (67-72-1)	U		824	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		824	"	"	"
Isophorone (78-59-1)	U		824	"	"	"
2-Methylnaphthalene (91-57-6)	5,160	J	330	"	"	"
2-Methylphenol (95-48-7)	U		824	"	"	"
3 &/or 4-Methylphenol (106-44-5)	U		824	"	"	"
Naphthalene (91-20-3)	564	J	330	"	"	"
2-Nitroaniline (88-74-4)	U		1,320	"	"	"
3-Nitroaniline (99-09-2)	U		1,320	"	"	"



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-04

Station ID: DSE-01-144-413

Batch: B2H1002

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 10.138g

Sample Qualifiers:

%Solids: 59.83

Targets (Continued)

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Nitroaniline (100-01-6)	U		1,320	1	08/10/12	08/13/12
Nitrobenzene (98-95-3)	U		824	"	"	"
2-Nitrophenol (88-75-5)	U		824	"	"	"
4-Nitrophenol (100-02-7)	U		2,140	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		824	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		824	"	"	"
Pentachlorophenol (87-86-5)	U		824	"	"	"
Phenanthrene (85-01-8)	1,970		330	"	"	"
Phenol (108-95-2)	U		824	"	"	"
Pyrene (129-00-0)	U		330	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		824	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		824	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		824	"	"	"

BJS



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Pesticide/PCB by OLM04.2 - GC/ECD

Lab ID: 1208005-04

Station ID: DSE-01-144-413

Batch: B2H1001

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 10.295g

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg (dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: Tetrachloro-meta-xylene	25.1		61.9	41-112	08/10/12	08/23/12
Surr: Decachlorobiphenyl	34.6		85.1	49-122	"	"

Targets

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aldrin (309-00-2)	U		1.62	1	08/10/12	08/16/12
alpha-BHC (319-84-6)	U		1.62	"	"	08/23/12
beta-BHC (319-85-7)	U		1.62	"	"	"
delta-BHC (319-86-8)	U		1.62	"	"	"
gamma-BHC (Lindane) (58-89-9)	U		1.62	"	"	"
4,4'-DDD (72-54-8)	U		1.62	"	"	"
4,4'-DDE (72-55-9)	1.71		1.62	"	"	"
4,4'-DDT (50-29-3)	U		1.62	"	"	"
Dieldrin (60-57-1)	U		1.62	"	"	08/16/12
Endosulfan I (959-98-8)	U		1.62	"	"	"
Endosulfan II (33213-65-9)	U		1.62	"	"	"
Endosulfan sulfate (1031-07-8)	U		1.62	"	"	"
Endrin (72-20-8)	U		1.62	"	"	"
Endrin aldehyde (7421-93-4)	U	RL	4.87	"	"	"
Endrin ketone (53494-70-5)	U		1.62	"	"	"
Heptachlor (76-44-8)	U		1.62	"	"	08/23/12
Heptachlor epoxide (1024-57-3)	U		1.62	"	"	08/16/12
Methoxychlor (72-43-5)	U	RL	4.06	"	"	"
alpha-Chlordane (5103-71-9)	U		1.62	"	"	08/23/12
gamma-Chlordane (5103-74-2)	U		1.62	"	"	"
Toxaphene (8001-35-2)	U		48.7	"	"	"
Aroclor-1016 (12674-11-2)	U		32.5	"	"	"
Aroclor-1221 (11104-28-2)	U		64.9	"	"	"
Aroclor-1232 (11141-16-5)	U		32.5	"	"	"
Aroclor-1242 (53469-21-9)	U		32.5	"	"	"
Aroclor-1248 (12672-29-6)	U		32.5	"	"	"
Aroclor-1254 (11097-69-1)	38.6		32.5	"	"	08/23/12
Aroclor-1260 (11096-82-5)	U		32.5	"	"	08/23/12

LW



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208005-04

Batch: B2H2204

Sample Type: Solid

Station ID: DSE-01-144-413

Date Collected: 08/08/12

Sample Wt: 0.541g

%Solids: 59.83

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	8,510		15.4	1	08/22/12	08/31/12
Barium (7440-39-3)	1,410		1.5	"	"	"
Beryllium (7440-41-7)	0.9		0.8	"	"	"
Cadmium (7440-43-9)	U		0.8	"	"	"
Calcium (7440-70-2)	7,620		23.2	"	"	"
Chromium (7440-47-3)	17.3		1.5	"	"	"
Cobalt (7440-48-4)	11.2		3.1	"	"	"
Copper (7440-50-8)	34.5		3.1	"	"	"
Iron (7439-89-6)	16,300		3.9	"	"	"
Magnesium (7439-95-4)	4,770		23.2	"	"	"
Manganese (7439-96-5)	358		0.8	"	"	"
Nickel (7440-02-2)	23.2		3.1	"	"	"
Potassium (7440-09-7)	1,340		154	"	"	"
Silver (7440-22-4)	U		1.5	"	"	"
Sodium (7440-23-5)	1,980		77.2	"	"	"
Vanadium (7440-62-2)	25.4		3.1	"	"	"
Zinc (7440-66-6)	124		3.1	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208005-04

Batch: B2H2205

Sample Type: Solid

Station ID: DSE-01-144-413

Date Collected: 08/08/12

Sample Wt: 0.541g

%Solids: 59.83

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	1.8		1.5	20	"	09/04/12
Arsenic (7440-38-2)	37.3		1.5	"	"	"
Lead (7439-92-1)	131		1.5	"	"	"
Selenium (7782-49-2)	U		1.5	"	"	"
Thallium (7440-28-0)	U		1.5	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208005-04

Station ID: DSE-01-144-413

Batch: B2H2206

Date Collected: 08/08/12

Sample Type: Solid

Sample Wt: 0.128g

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	0.142		0.104	1	08/22/12	08/23/12 sm



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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-05

Batch: B2H0905

Sample Type: Solid

Station ID: DSE-01-24-413

Date Collected: 08/08/12

Sample Wt: 5.007g

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	51.3		103	82-120	08/09/12	08/09/12
Surr: Toluene-d8	47.9		95.8	81-116	"	"
Surr: 4-Bromofluorobenzene	50.4		101	80-116	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U	RL	749	50	08/09/12	08/09/12
Chloromethane (74-87-3)	U		250	"	"	"
Vinyl chloride (75-01-4)	U		99.9	"	"	"
Bromomethane (74-83-9)	U		250	"	"	"
Chloroethane (75-00-3)	U		99.9	"	"	"
Trichlorofluoromethane (75-69-4)	U		99.9	"	"	"
1,1-Dichloroethene (75-35-4)	U		99.9	"	"	"
Carbon disulfide (75-15-0)	U		99.9	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		99.9	"	"	"
Acetone (67-64-1)	U		499	"	"	"
Methylene chloride (75-09-2)	U		99.9	"	"	"
Methyl acetate (79-20-9)	U		250	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		99.9	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		99.9	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		99.9	"	"	"
1,1-Dichloroethane (75-34-3)	U		99.9	"	"	"
2-Butanone (78-93-3)	U		250	"	"	"
Chloroform (67-66-3)	U		99.9	"	"	"
1,2-Dichloroethane (107-06-2)	U		99.9	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		99.9	"	"	"
Cyclohexane (110-82-7)	230	J	99.9	"	"	"
Carbon tetrachloride (56-23-5)	U		99.9	"	"	"
Benzene (71-43-2)	U		99.9	"	"	"
Trichloroethene (79-01-6)	U		99.9	"	"	"
Methylcyclohexane (108-87-2)	1,640	J	99.9	"	"	"
1,2-Dichloropropane (78-87-5)	U		99.9	"	"	"
Bromodichloromethane (75-27-4)	U		99.9	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		99.9	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-05

Batch: B2H0905

Sample Type: Solid

Station ID: DSE-01-24-413

Date Collected: 08/08/12

Sample Wt: 5.007g

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		99.9	50	08/09/12	08/09/12
1,1,2-Trichloroethane (79-00-5)	U		99.9	"	"	"
Dibromochloromethane (124-48-1)	U		99.9	"	"	"
Bromoform (75-25-2)	U		99.9	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		250	"	"	"
Toluene (108-88-3)	641		99.9	"	"	"
Tetrachloroethene (127-18-4)	U		99.9	"	"	"
2-Hexanone (591-78-6)	U		250	"	"	"
1,2-Dibromoethane (106-93-4)	U		99.9	"	"	"
Chlorobenzene (108-90-7)	U		99.9	"	"	"
Ethylbenzene (100-41-4)	858		99.9	"	"	"
meta-/para-Xylene (na)	3,900		200	"	"	"
ortho-Xylene (95-47-6)	2,100		99.9	"	"	"
Styrene (100-42-5)	U		99.9	"	"	"
Isopropylbenzene (98-82-8)	456		99.9	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		99.9	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		99.9	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		99.9	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		99.9	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		250	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		250	"	"	"

kws



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-05

Station ID: DSE-01-24-413

Batch: B2H1002

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 2.429g

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg (dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: 2-Fluorophenol</i>	36,600		85.4	38-101	08/10/12	08/17/12
<i>Surr: Phenol-d5</i>	26,400		61.6	42-105	"	"
<i>Surr: 2-Chlorophenol-d4</i>	26,000		60.7	40-100	"	"
<i>Surr: 1,2-Dichlorobenzene-d4</i>	20,400		71.5	37-100	"	"
<i>Surr: Nitrobenzene-d5</i>	25,900		90.5	42-108	"	"
<i>Surr: 2-Fluorobiphenyl</i>	30,500		107 #	51-103	"	"
<i>Surr: 2,4,6-Tribromophenol</i>	45,900		107	55-115	"	"
<i>Surr: Terphenyl-d14</i>	20,000		70.1	55-125	"	"

Targets

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	6,390	J	1,140	1	08/10/12	08/17/12
Acenaphthylene (208-96-8)	U		1,140	"	"	"
Acetophenone (98-86-2)	U		2,860	"	"	"
Anthracene (120-12-7)	1,800		1,140	"	"	"
Atrazine (1912-24-9)	U		2,860	"	"	"
Benzaldehyde (100-52-7)	U		2,860	"	"	"
Benzoic acid (65-85-0)	U		5,720	"	"	"
Benzo (a) anthracene (56-55-3)	U		2,860	"	"	"
Benzo (a) pyrene (50-32-8)	U		2,860	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		2,860	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		2,860	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		2,860	"	"	"
Benzyl alcohol (100-51-6)	U		2,860	"	"	"
1,1'-Biphenyl (92-52-4)	4,890	J	2,860	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		2,860	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		2,860	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		2,860	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		2,860	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		2,860	"	"	"
Butyl benzyl phthalate (85-68-7)	U		2,860	"	"	"
Carbazole (86-74-8)	U		2,860	"	"	"
Caprolactam (105-60-2)	U		2,860	"	"	"
4-Chloroaniline (106-47-8)	U		2,860	"	"	"



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Region 6 Laboratory

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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-05

Station ID: DSE-01-24-413

Batch: B2H1002

Date Collected: 08/08/12

Sample Type: Solid

Sample Wt: 2.429g

Sample Qualifiers:

%Solids: 72.03

Targets (Continued)

Analyte (CAS Number)	Result μg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chloronaphthalene (91-58-7)	U		2,860	1	08/10/12	08/17/12
2-Chlorophenol (95-57-8)	U		2,860	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		2,860	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		2,860	"	"	"
Chrysene (218-01-9)	U		2,860	"	"	"
Dibenzofuran (132-64-9)	5,520	NJ	2,860	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		2,860	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		2,860	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		2,860	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		2,860	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		2,860	"	"	"
2,4-Dichlorophenol (120-83-2)	U		2,860	"	"	"
Diethyl phthalate (84-66-2)	U		2,860	"	"	"
2,4-Dimethylphenol (105-67-9)	U		2,860	"	"	"
Dimethyl phthalate (131-11-3)	U		2,860	"	"	"
2,4-Dinitrophenol (51-28-5)	U		11,400	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		2,860	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		2,860	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		11,400	"	"	"
Di-n-butyl phthalate (84-74-2)	U		2,860	"	"	"
Di-n-octyl phthalate (117-84-0)	U		2,860	"	"	"
Fluoranthene (206-44-0)	U		1,140	"	"	"
Fluorene (86-73-7)	8,550	J	1,140	"	"	"
Hexachlorobenzene (118-74-1)	U		2,860	"	"	"
Hexachlorobutadiene (87-68-3)	U		2,860	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		2,860	"	"	"
Hexachloroethane (67-72-1)	U		2,860	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		2,860	"	"	"
Isophorone (78-59-1)	U		2,860	"	"	"
2-Methylnaphthalene (91-57-6)	50,700	J	1,140	"	"	"
2-Methylphenol (95-48-7)	U		2,860	"	"	"
3 &/or 4-Methylphenol (106-44-5)	U		2,860	"	"	"
Naphthalene (91-20-3)	18,300		1,140	"	"	"
2-Nitroaniline (88-74-4)	U		4,570	"	"	"
3-Nitroaniline (99-09-2)	U		4,570	"	"	"



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-05

Station ID: DSE-01-24-413

Batch: B2H1002

Date Collected: 08/08/12

Sample Type: Solid

Sample Wt: 2.429g

Sample Qualifiers:

%Solids: 72.03

Targets (Continued)

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Nitroaniline (100-01-6)	U		4,570	1	08/10/12	08/17/12
Nitrobenzene (98-95-3)	U		2,860	"	"	"
2-Nitrophenol (88-75-5)	U		2,860	"	"	"
4-Nitrophenol (100-02-7)	U		7,430	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		2,860	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		2,860	"	"	"
Pentachlorophenol (87-86-5)	U		2,860	"	"	"
Phenanthrene (85-01-8)	11,900		1,140	"	"	"
Phenol (108-95-2)	U		2,860	"	"	"
Pyrene (129-00-0)	1,660		1,140	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		2,860	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		2,860	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		2,860	"	"	"

BJS



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Pesticide/PCB by OLM04.2 - GC/ECD

Lab ID: 1208005-05

Station ID: DSE-01-24-413

Batch: B2H1001

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 5.23g

%Solids: 72.03

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg (dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: Tetrachloro-meta-xylene	35.5		53.6	41-112	08/10/12	08/23/12
Surr: Decachlorobiphenyl	65.2		98.2	49-122	"	"

Targets

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aldrin (309-00-2)	U		2.65	1	08/10/12	08/16/12
alpha-BHC (319-84-6)	U		2.65	"	"	08/23/12
beta-BHC (319-85-7)	U		2.65	"	"	"
delta-BHC (319-86-8)	U		2.65	"	"	"
gamma-BHC (Lindane) (58-89-9)	U		2.65	"	"	"
4,4'-DDD (72-54-8)	U		2.65	"	"	"
4,4'-DDE (72-55-9)	U		2.65	"	"	"
4,4'-DDT (50-29-3)	U	RL	6.64	"	"	"
Dieldrin (60-57-1)	U	RL	3.98	"	"	08/16/12
Endosulfan I (959-98-8)	U	RL	3.98	"	"	"
Endosulfan II (33213-65-9)	U	RL	6.64	"	"	"
Endosulfan sulfate (1031-07-8)	U	RL	5.31	"	"	"
Endrin (72-20-8)	U	RL	7.96	"	"	"
Endrin aldehyde (7421-93-4)	U	RL	11.9	"	"	"
Endrin ketone (53494-70-5)	U	RL	6.64	"	"	"
Heptachlor (76-44-8)	U		2.65	"	"	08/23/12
Heptachlor epoxide (1024-57-3)	U	RL	5.31	"	"	08/16/12
Methoxychlor (72-43-5)	U	RL	39.8	"	"	"
alpha-Chlordane (5103-71-9)	U		2.65	"	"	08/23/12
gamma-Chlordane (5103-74-2)	U		2.65	"	"	"
Toxaphene (8001-35-2)	U		79.6	"	"	"
Aroclor-1016 (12674-11-2)	65.4	NJ	53.1	"	"	"
Aroclor-1221 (11104-28-2)	U		106	"	"	"
Aroclor-1232 (11141-16-5)	U		53.1	"	"	"
Aroclor-1242 (53469-21-9)	U		53.1	"	"	"
Aroclor-1248 (12672-29-6)	U		53.1	"	"	"
Aroclor-1254 (11097-69-1)	95.0		53.1	"	"	08/23/12
Aroclor-1260 (11096-82-5)	U		53.1	"	"	08/23/12

LW



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208005-05

Batch: B2H2204

Sample Type: Solid

Station ID: DSE-01-24-413

Date Collected: 08/08/12

Sample Wt: 0.524g

%Solids: 72.03

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	4,030		13.2	1	08/22/12	08/31/12
Barium (7440-39-3)	683	J	1.3	"	"	"
Beryllium (7440-41-7)	U		0.7	"	"	"
Cadmium (7440-43-9)	5.8		0.7	"	"	"
Calcium (7440-70-2)	17,300	J	19.9	"	"	"
Chromium (7440-47-3)	327		1.3	"	"	"
Cobalt (7440-48-4)	7.5		2.6	"	"	"
Copper (7440-50-8)	73.6		2.6	"	"	"
Iron (7439-89-6)	16,200		3.3	"	"	"
Magnesium (7439-95-4)	2,390		19.9	"	"	"
Manganese (7439-96-5)	569		0.7	"	"	"
Nickel (7440-02-2)	16.3		2.6	"	"	"
Potassium (7440-09-7)	904		132	"	"	"
Silver (7440-22-4)	5.0	J	1.3	"	"	"
Sodium (7440-23-5)	467		66.2	"	"	"
Vanadium (7440-62-2)	14.8		2.6	"	"	"
Zinc (7440-66-6)	1,200		2.6	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208005-05

Batch: B2H2205

Sample Type: Solid

Station ID: DSE-01-24-413

Date Collected: 08/08/12

Sample Wt: 0.524g

%Solids: 72.03

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	4.8	J	1.3	20	"	09/04/12
Arsenic (7440-38-2)	28.6		1.3	"	"	"
Lead (7439-92-1)	803		1.3	"	"	"
Selenium (7782-49-2)	U		1.3	"	"	"
Thallium (7440-28-0)	U	J	1.3	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208005-05

Station ID: DSE-01-24-413

Batch: B2H2206

Date Collected: 08/08/12

Sample Type: Solid

Sample Wt: 0.145g

Sample Qualifiers:

%Solids: 72.03

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	1.80		0.077	1	08/22/12	08/23/12 sm



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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-06

Batch: B2H0905

Sample Type: Solid

Station ID: DSE-01-48-413

Date Collected: 08/08/12

Sample Wt: 5.003g

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	52.9		106	82-120	08/09/12	08/09/12
Surr: Toluene-d8	49.5		99.0	81-116	"	"
Surr: 4-Bromofluorobenzene	47.7		95.5	80-116	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U	RL	750	50	08/09/12	08/09/12
Chloromethane (74-87-3)	U		250	"	"	"
Vinyl chloride (75-01-4)	U		99.9	"	"	"
Bromomethane (74-83-9)	U		250	"	"	"
Chloroethane (75-00-3)	U		99.9	"	"	"
Trichlorofluoromethane (75-69-4)	U		99.9	"	"	"
1,1-Dichloroethene (75-35-4)	U		99.9	"	"	"
Carbon disulfide (75-15-0)	U		99.9	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		99.9	"	"	"
Acetone (67-64-1)	2,040		500	"	"	"
Methylene chloride (75-09-2)	U		99.9	"	"	"
Methyl acetate (79-20-9)	U		250	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		99.9	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		99.9	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		99.9	"	"	"
1,1-Dichloroethane (75-34-3)	U		99.9	"	"	"
2-Butanone (78-93-3)	U		250	"	"	"
Chloroform (67-66-3)	U		99.9	"	"	"
1,2-Dichloroethane (107-06-2)	U		99.9	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		99.9	"	"	"
Cyclohexane (110-82-7)	1,900	J	99.9	"	"	"
Carbon tetrachloride (56-23-5)	U		99.9	"	"	"
Benzene (71-43-2)	860		99.9	"	"	"
Trichloroethene (79-01-6)	U		99.9	"	"	"
Methylcyclohexane (108-87-2)	5,690	J	200	100	"	08/10/12
1,2-Dichloropropane (78-87-5)	U		99.9	50	"	08/09/12
Bromodichloromethane (75-27-4)	U		99.9	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		99.9	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-06

Station ID: DSE-01-48-413

Batch: B2H0905

Date Collected: 08/08/12

Sample Type: Solid

Sample Wt: 5.003g

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		99.9	50	08/09/12	08/09/12
1,1,2-Trichloroethane (79-00-5)	U		99.9	"	"	"
Dibromochloromethane (124-48-1)	U		99.9	"	"	"
Bromoform (75-25-2)	U		99.9	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		250	"	"	"
Toluene (108-88-3)	5,940		99.9	"	"	"
Tetrachloroethene (127-18-4)	U		99.9	"	"	"
2-Hexanone (591-78-6)	U		250	"	"	"
1,2-Dibromoethane (106-93-4)	U		99.9	"	"	"
Chlorobenzene (108-90-7)	U		99.9	"	"	"
Ethylbenzene (100-41-4)	6,040		99.9	"	"	"
meta-/para-Xylene (na)	20,300		400	100	"	08/10/12
ortho-Xylene (95-47-6)	9,940		200	"	"	"
Styrene (100-42-5)	U		99.9	50	"	08/09/12
Isopropylbenzene (98-82-8)	2,360		99.9	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		99.9	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		99.9	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		99.9	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		99.9	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		250	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		250	"	"	"

kws



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-06

Station ID: DSE-01-48-413

Batch: B2H1002

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 2.125g

%Solids: 71.72

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg (dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: 2-Fluorophenol</i>	20,100		40.8	38-101	08/10/12	08/13/12
<i>Surr: Phenol-d5</i>	26,600		54.0	42-105	"	"
<i>Surr: 2-Chlorophenol-d4</i>	26,900		54.6	40-100	"	"
<i>Surr: 1,2-Dichlorobenzene-d4</i>	17,500		53.3	37-100	"	"
<i>Surr: Nitrobenzene-d5</i>	36,300		111 #	42-108	"	"
<i>Surr: 2-Fluorobiphenyl</i>	29,800		90.8	51-103	"	"
<i>Surr: 2,4,6-Tribromophenol</i>	48,500		98.5	55-115	"	"
<i>Surr: Terphenyl-d14</i>	25,000		76.2	55-125	"	"

Targets

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	20,100		13,100	10	08/10/12	08/15/12
Acenaphthylene (208-96-8)	U		1,310	1	"	08/13/12
Acetophenone (98-86-2)	U		3,280	"	"	"
Anthracene (120-12-7)	6,800	J	1,310	"	"	"
Atrazine (1912-24-9)	U		3,280	"	"	"
Benzaldehyde (100-52-7)	U		3,280	"	"	"
Benzoic acid (65-85-0)	U		6,560	"	"	"
Benzo (a) anthracene (56-55-3)	U		3,280	"	"	"
Benzo (a) pyrene (50-32-8)	U		3,280	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		3,280	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		3,280	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		3,280	"	"	"
Benzyl alcohol (100-51-6)	U		3,280	"	"	"
1,1'-Biphenyl (92-52-4)	49,900		32,800	10	"	08/15/12
Bis(2-chloroethoxy)methane (111-91-1)	U		3,280	1	"	08/13/12
Bis(2-chloroethyl)ether (111-44-4)	U		3,280	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		3,280	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		3,280	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		3,280	"	"	"
Butyl benzyl phthalate (85-68-7)	U		3,280	"	"	"
Carbazole (86-74-8)	U		3,280	"	"	"
Caprolactam (105-60-2)	U		3,280	"	"	"
4-Chloroaniline (106-47-8)	U		3,280	"	"	"



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-06

Station ID: DSE-01-48-413

Batch: B2H1002

Date Collected: 08/08/12

Sample Type: Solid

Sample Wt: 2.125g

Sample Qualifiers:

%Solids: 71.72

Targets (Continued)

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chloronaphthalene (91-58-7)	U		3,280	1	08/10/12	08/13/12
2-Chlorophenol (95-57-8)	U		3,280	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		3,280	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		3,280	"	"	"
Chrysene (218-01-9)	U		3,280	"	"	"
Dibenzofuran (132-64-9)	22,500		19,700	10	"	08/15/12
Dibenz (a,h) anthracene (53-70-3)	U		3,280	1	"	08/13/12
1,2-Dichlorobenzene (95-50-1)	U		3,280	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		3,280	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		3,280	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		3,280	"	"	"
2,4-Dichlorophenol (120-83-2)	U		3,280	"	"	"
Diethyl phthalate (84-66-2)	U		3,280	"	"	"
2,4-Dimethylphenol (105-67-9)	U		3,280	"	"	"
Dimethyl phthalate (131-11-3)	U		3,280	"	"	"
2,4-Dinitrophenol (51-28-5)	U		13,100	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		3,280	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		3,280	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		13,100	"	"	"
Di-n-butyl phthalate (84-74-2)	U		3,280	"	"	"
Di-n-octyl phthalate (117-84-0)	U		3,280	"	"	"
Fluoranthene (206-44-0)	3,700	J	1,310	"	"	"
Fluorene (86-73-7)	38,300		13,100	10	"	08/15/12
Hexachlorobenzene (118-74-1)	U		3,280	1	"	08/13/12
Hexachlorobutadiene (87-68-3)	U		3,280	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		3,280	"	"	"
Hexachloroethane (67-72-1)	U		3,280	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		3,280	"	"	"
Isophorone (78-59-1)	U		3,280	"	"	"
2-Methylnaphthalene (91-57-6)	593,000		13,100	10	"	08/15/12
2-Methylphenol (95-48-7)	U		3,280	1	"	08/13/12
3 &/or 4-Methylphenol (106-44-5)	U		3,280	"	"	"
Naphthalene (91-20-3)	184,000		13,100	10	"	08/15/12
2-Nitroaniline (88-74-4)	U		5,250	1	"	08/13/12
3-Nitroaniline (99-09-2)	U		5,250	"	"	"



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-06

Station ID: DSE-01-48-413

Batch: B2H1002

Date Collected: 08/08/12

Sample Type: Solid

Sample Wt: 2.125g

Sample Qualifiers:

%Solids: 71.72

Targets (Continued)

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Nitroaniline (100-01-6)	U		5,250	1	08/10/12	08/13/12
Nitrobenzene (98-95-3)	U		3,280	"	"	"
2-Nitrophenol (88-75-5)	U		3,280	"	"	"
4-Nitrophenol (100-02-7)	U		8,530	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		3,280	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		3,280	"	"	"
Pentachlorophenol (87-86-5)	U		3,280	"	"	"
Phenanthrene (85-01-8)	89,200		13,100	10	"	08/15/12
Phenol (108-95-2)	U		3,280	1	"	08/13/12
Pyrene (129-00-0)	3,410		1,310	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		3,280	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		3,280	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		3,280	"	"	"

bjs



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Pesticide/PCB by OLM04.2 - GC/ECD

Lab ID: 1208005-06

Station ID: DSE-01-48-413

Batch: B2H1001

Date Collected: 08/08/12

Sample Type: Solid

Sample Wt: 5.287g

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg (dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: Tetrachloro-meta-xylene	30.9		46.9	41-112	08/10/12	08/17/12
Surr: Decachlorobiphenyl	72.2		110	49-122	"	"

Targets

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aldrin (309-00-2)	U		26.4	10	08/10/12	08/17/12
alpha-BHC (319-84-6)	U		26.4	"	"	"
beta-BHC (319-85-7)	U		26.4	"	"	"
delta-BHC (319-86-8)	U		26.4	"	"	"
gamma-BHC (Lindane) (58-89-9)	U		26.4	"	"	"
4,4'-DDD (72-54-8)	U		26.4	"	"	"
4,4'-DDE (72-55-9)	U		26.4	"	"	"
4,4'-DDT (50-29-3)	U		26.4	"	"	"
Dieldrin (60-57-1)	U		26.4	"	"	"
Endosulfan I (959-98-8)	U		26.4	"	"	"
Endosulfan II (33213-65-9)	U		26.4	"	"	"
Endosulfan sulfate (1031-07-8)	U		26.4	"	"	"
Endrin (72-20-8)	U		26.4	"	"	"
Endrin aldehyde (7421-93-4)	U		26.4	"	"	"
Endrin ketone (53494-70-5)	U		26.4	"	"	"
Heptachlor (76-44-8)	U		26.4	"	"	"
Heptachlor epoxide (1024-57-3)	U		26.4	"	"	"
Methoxychlor (72-43-5)	U	RL	39.6	"	"	"
alpha-Chlordane (5103-71-9)	U		26.4	"	"	"
gamma-Chlordane (5103-74-2)	U		26.4	"	"	"
Toxaphene (8001-35-2)	U		791	"	"	"
Aroclor-1016 (12674-11-2)	80.3	NJ	52.7	1	"	08/23/12
Aroclor-1221 (11104-28-2)	U		105	"	"	"
Aroclor-1232 (11141-16-5)	U		52.7	"	"	"
Aroclor-1242 (53469-21-9)	U		52.7	"	"	"
Aroclor-1248 (12672-29-6)	U		52.7	"	"	"
Aroclor-1254 (11097-69-1)	U		52.7	"	"	08/23/12
Aroclor-1260 (11096-82-5)	U		52.7	"	"	08/23/12

LW



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208005-06

Batch: B2H2204

Sample Type: Solid

Station ID: DSE-01-48-413

Date Collected: 08/08/12

Sample Wt: 0.534g

%Solids: 71.72

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	3,520		13.1	1	08/22/12	08/31/12
Barium (7440-39-3)	635		1.3	"	"	"
Beryllium (7440-41-7)	U		0.7	"	"	"
Cadmium (7440-43-9)	6.0		0.7	"	"	"
Calcium (7440-70-2)	19,500		19.6	"	"	"
Chromium (7440-47-3)	296		1.3	"	"	"
Cobalt (7440-48-4)	5.2		2.6	"	"	"
Copper (7440-50-8)	73.5		2.6	"	"	"
Iron (7439-89-6)	13,500		3.3	"	"	"
Magnesium (7439-95-4)	2,140		19.6	"	"	"
Manganese (7439-96-5)	501		0.7	"	"	"
Nickel (7440-02-2)	12.8		2.6	"	"	"
Potassium (7440-09-7)	871		131	"	"	"
Silver (7440-22-4)	3.3	K	1.3	"	"	"
Sodium (7440-23-5)	2,150		65.3	"	"	"
Vanadium (7440-62-2)	13.3		2.6	"	"	"
Zinc (7440-66-6)	1,200		2.6	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208005-06

Batch: B2H2205

Sample Type: Solid

Station ID: DSE-01-48-413

Date Collected: 08/08/12

Sample Wt: 0.534g

%Solids: 71.72

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	6.5		1.3	20	"	09/04/12
Arsenic (7440-38-2)	26.9		1.3	"	"	"
Lead (7439-92-1)	733		1.3	"	"	"
Selenium (7782-49-2)	U		1.3	"	"	"
Thallium (7440-28-0)	U		1.3	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208005-06

Station ID: DSE-01-48-413

Batch: B2H2206

Date Collected: 08/08/12

Sample Type: Solid

Sample Wt: 0.143g

Sample Qualifiers:

%Solids: 71.72

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	2.07		0.156	2	08/22/12	08/23/12 sm



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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-07

Batch: B2H0905

Sample Type: Solid

Station ID: DSE-01-72-413

Date Collected: 08/08/12

Sample Wt: 4.998g

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	51.0		102	82-120	08/09/12	08/09/12
Surr: Toluene-d8	48.2		96.3	81-116	"	"
Surr: 4-Bromofluorobenzene	46.7		93.3	80-116	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U	RL	750	50	08/09/12	08/09/12
Chloromethane (74-87-3)	U		250	"	"	"
Vinyl chloride (75-01-4)	U		100	"	"	"
Bromomethane (74-83-9)	U		250	"	"	"
Chloroethane (75-00-3)	U		100	"	"	"
Trichlorofluoromethane (75-69-4)	U		100	"	"	"
1,1-Dichloroethene (75-35-4)	U		100	"	"	"
Carbon disulfide (75-15-0)	U		100	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		100	"	"	"
Acetone (67-64-1)	1,400		500	"	"	"
Methylene chloride (75-09-2)	U		100	"	"	"
Methyl acetate (79-20-9)	U		250	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		100	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		100	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		100	"	"	"
1,1-Dichloroethane (75-34-3)	U		100	"	"	"
2-Butanone (78-93-3)	U		250	"	"	"
Chloroform (67-66-3)	U		100	"	"	"
1,2-Dichloroethane (107-06-2)	U		100	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		100	"	"	"
Cyclohexane (110-82-7)	1,340	J	100	"	"	"
Carbon tetrachloride (56-23-5)	U		100	"	"	"
Benzene (71-43-2)	584		100	"	"	"
Trichloroethene (79-01-6)	U		100	"	"	"
Methylcyclohexane (108-87-2)	7,780	J	100	"	"	"
1,2-Dichloropropane (78-87-5)	U		100	"	"	"
Bromodichloromethane (75-27-4)	U		100	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		100	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-07

Batch: B2H0905

Sample Type: Solid

Station ID: DSE-01-72-413

Date Collected: 08/08/12

Sample Wt: 4.998g

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		100	50	08/09/12	08/09/12
1,1,2-Trichloroethane (79-00-5)	U		100	"	"	"
Dibromochloromethane (124-48-1)	U		100	"	"	"
Bromoform (75-25-2)	U		100	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		250	"	"	"
Toluene (108-88-3)	3,850		100	"	"	"
Tetrachloroethene (127-18-4)	U		100	"	"	"
2-Hexanone (591-78-6)	U		250	"	"	"
1,2-Dibromoethane (106-93-4)	U		100	"	"	"
Chlorobenzene (108-90-7)	U		100	"	"	"
Ethylbenzene (100-41-4)	3,970		100	"	"	"
meta-/para-Xylene (na)	16,500		200	"	"	"
ortho-Xylene (95-47-6)	8,200		100	"	"	"
Styrene (100-42-5)	U		100	"	"	"
Isopropylbenzene (98-82-8)	1,550		100	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		100	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		100	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		100	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		100	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		250	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		250	"	"	"

kws



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-07

Station ID: DSE-01-72-413

Batch: B2H1002

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 2.075g

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg (dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: 2-Fluorophenol</i>	27,600		54.6	38-101	08/10/12	08/13/12
<i>Surr: Phenol-d5</i>	37,000		73.0	42-105	"	"
<i>Surr: 2-Chlorophenol-d4</i>	30,000		59.2	40-100	"	"
<i>Surr: 1,2-Dichlorobenzene-d4</i>	20,100		59.6	37-100	"	"
<i>Surr: Nitrobenzene-d5</i>	37,700		112 #	42-108	"	"
<i>Surr: 2-Fluorobiphenyl</i>	27,300		81.0	51-103	"	"
<i>Surr: 2,4,6-Tribromophenol</i>	55,900		110	55-115	"	"
<i>Surr: Terphenyl-d14</i>	33,100		98.2	55-125	"	"

Targets

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	19,100		13,500	10	08/10/12	08/15/12
Acenaphthylene (208-96-8)	U		1,350	1	"	08/13/12
Acetophenone (98-86-2)	U		3,380	"	"	"
Anthracene (120-12-7)	4,840	J	1,350	"	"	"
Atrazine (1912-24-9)	U		3,380	"	"	"
Benzaldehyde (100-52-7)	U		3,380	"	"	"
Benzoic acid (65-85-0)	U		6,750	"	"	"
Benzo (a) anthracene (56-55-3)	U		3,380	"	"	"
Benzo (a) pyrene (50-32-8)	U		3,380	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		3,380	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		3,380	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		3,380	"	"	"
Benzyl alcohol (100-51-6)	U		3,380	"	"	"
1,1'-Biphenyl (92-52-4)	36,100		33,800	10	"	08/15/12
Bis(2-chloroethoxy)methane (111-91-1)	U		3,380	1	"	08/13/12
Bis(2-chloroethyl)ether (111-44-4)	U		3,380	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		3,380	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		3,380	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		3,380	"	"	"
Butyl benzyl phthalate (85-68-7)	U		3,380	"	"	"
Carbazole (86-74-8)	U		3,380	"	"	"
Caprolactam (105-60-2)	U		3,380	"	"	"
4-Chloroaniline (106-47-8)	U		3,380	"	"	"



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-07

Station ID: DSE-01-72-413

Batch: B2H1002

Date Collected: 08/08/12

Sample Type: Solid

Sample Wt: 2.075g

Sample Qualifiers:

%Solids: 71.39

Targets (Continued)

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chloronaphthalene (91-58-7)	U		3,380	1	08/10/12	08/13/12
2-Chlorophenol (95-57-8)	U		3,380	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		3,380	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		3,380	"	"	"
Chrysene (218-01-9)	U		3,380	"	"	"
Dibenzofuran (132-64-9)	17,500		13,500	10	"	08/15/12
Dibenz (a,h) anthracene (53-70-3)	U		3,380	1	"	08/13/12
1,2-Dichlorobenzene (95-50-1)	U		3,380	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		3,380	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		3,380	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		3,380	"	"	"
2,4-Dichlorophenol (120-83-2)	U		3,380	"	"	"
Diethyl phthalate (84-66-2)	U		3,380	"	"	"
2,4-Dimethylphenol (105-67-9)	U		3,380	"	"	"
Dimethyl phthalate (131-11-3)	U		3,380	"	"	"
2,4-Dinitrophenol (51-28-5)	U		13,500	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		3,380	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		3,380	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		13,500	"	"	"
Di-n-butyl phthalate (84-74-2)	U		3,380	"	"	"
Di-n-octyl phthalate (117-84-0)	U		3,380	"	"	"
Fluoranthene (206-44-0)	2,040	J	1,350	"	"	"
Fluorene (86-73-7)	30,300		13,500	10	"	08/15/12
Hexachlorobenzene (118-74-1)	U		3,380	1	"	08/13/12
Hexachlorobutadiene (87-68-3)	U		3,380	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		3,380	"	"	"
Hexachloroethane (67-72-1)	U		3,380	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		3,380	"	"	"
Isophorone (78-59-1)	U		3,380	"	"	"
2-Methylnaphthalene (91-57-6)	523,000		13,500	10	"	08/15/12
2-Methylphenol (95-48-7)	U		3,380	1	"	08/13/12
3 &/or 4-Methylphenol (106-44-5)	U		3,380	"	"	"
Naphthalene (91-20-3)	164,000		13,500	10	"	08/15/12
2-Nitroaniline (88-74-4)	U		5,400	1	"	08/13/12
3-Nitroaniline (99-09-2)	U		5,400	"	"	"



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-07

Station ID: DSE-01-72-413

Batch: B2H1002

Date Collected: 08/08/12

Sample Type: Solid

Sample Wt: 2.075g

Sample Qualifiers:

%Solids: 71.39

Targets (Continued)

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Nitroaniline (100-01-6)	U		5,400	1	08/10/12	08/13/12
Nitrobenzene (98-95-3)	U		3,380	"	"	"
2-Nitrophenol (88-75-5)	U		3,380	"	"	"
4-Nitrophenol (100-02-7)	U		8,780	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		3,380	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		3,380	"	"	"
Pentachlorophenol (87-86-5)	U		3,380	"	"	"
Phenanthrene (85-01-8)	77,700		13,500	10	"	08/15/12
Phenol (108-95-2)	U		3,380	1	"	08/13/12
Pyrene (129-00-0)	3,210		1,350	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		3,380	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		3,380	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		3,380	"	"	"

bjs



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Region 6 Laboratory

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Pesticide/PCB by OLM04.2 - GC/ECD

Lab ID: 1208005-07

Station ID: DSE-01-72-413

Batch: B2H1001

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 5.08g

Sample Qualifiers:

%Solids: 71.39

Surrogates

Analyte	Result µg/kg (dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: Tetrachloro-meta-xylene	38.6		56.0	41-112	08/10/12	08/17/12
Surr: Decachlorobiphenyl	85.7		124 #	49-122	"	"

Targets

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aldrin (309-00-2)	U		27.6	10	08/10/12	08/17/12
alpha-BHC (319-84-6)	U		27.6	"	"	"
beta-BHC (319-85-7)	U		27.6	"	"	"
delta-BHC (319-86-8)	U		27.6	"	"	"
gamma-BHC (Lindane) (58-89-9)	U		27.6	"	"	"
4,4'-DDD (72-54-8)	U		27.6	"	"	"
4,4'-DDE (72-55-9)	U		27.6	"	"	"
4,4'-DDT (50-29-3)	U		27.6	"	"	"
Dieldrin (60-57-1)	U		27.6	"	"	"
Endosulfan I (959-98-8)	U		27.6	"	"	"
Endosulfan II (33213-65-9)	U		27.6	"	"	"
Endosulfan sulfate (1031-07-8)	U		27.6	"	"	"
Endrin (72-20-8)	U		27.6	"	"	"
Endrin aldehyde (7421-93-4)	U		27.6	"	"	"
Endrin ketone (53494-70-5)	U		27.6	"	"	"
Heptachlor (76-44-8)	U		27.6	"	"	"
Heptachlor epoxide (1024-57-3)	U		27.6	"	"	"
Methoxychlor (72-43-5)	U	RL	41.4	"	"	"
alpha-Chlordane (5103-71-9)	U		27.6	"	"	"
gamma-Chlordane (5103-74-2)	U		27.6	"	"	"
Toxaphene (8001-35-2)	U		827	"	"	"
Aroclor-1016 (12674-11-2)	86.4	NJ	55.2	1	"	08/23/12
Aroclor-1221 (11104-28-2)	U		110	"	"	"
Aroclor-1232 (11141-16-5)	U		55.2	"	"	"
Aroclor-1242 (53469-21-9)	U		55.2	"	"	"
Aroclor-1248 (12672-29-6)	U		55.2	"	"	"
Aroclor-1254 (11097-69-1)	U		55.2	"	"	08/23/12
Aroclor-1260 (11096-82-5)	U		55.2	"	"	08/23/12

LW



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208005-07

Batch: B2H2204

Sample Type: Solid

Station ID: DSE-01-72-413

Date Collected: 08/08/12

Sample Wt: 0.536g

%Solids: 71.39

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	5,890		13.1	1	08/22/12	08/31/12
Barium (7440-39-3)	1,250		1.3	"	"	"
Beryllium (7440-41-7)	U		0.7	"	"	"
Cadmium (7440-43-9)	2.4		0.7	"	"	"
Calcium (7440-70-2)	10,800		19.6	"	"	"
Chromium (7440-47-3)	137		1.3	"	"	"
Cobalt (7440-48-4)	8.9		2.6	"	"	"
Copper (7440-50-8)	48.8		2.6	"	"	"
Iron (7439-89-6)	14,300		3.3	"	"	"
Magnesium (7439-95-4)	3,210		19.6	"	"	"
Manganese (7439-96-5)	355		0.7	"	"	"
Nickel (7440-02-2)	16.6		2.6	"	"	"
Potassium (7440-09-7)	1,210		131	"	"	"
Silver (7440-22-4)	2.1	K	1.3	"	"	"
Sodium (7440-23-5)	2,230		65.3	"	"	"
Vanadium (7440-62-2)	16.6		2.6	"	"	"
Zinc (7440-66-6)	560		2.6	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208005-07

Batch: B2H2205

Sample Type: Solid

Station ID: DSE-01-72-413

Date Collected: 08/08/12

Sample Wt: 0.536g

%Solids: 71.39

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	3.1		1.3	20	"	09/04/12
Arsenic (7440-38-2)	40.9		1.3	"	"	"
Lead (7439-92-1)	405		1.3	"	"	"
Selenium (7782-49-2)	1.3		1.3	"	"	"
Thallium (7440-28-0)	U		1.3	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208005-07

Station ID: DSE-01-72-413

Batch: B2H2206

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 0.143g

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	1.82		0.078	1	08/22/12	08/23/12 sm



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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-08

Batch: B2H0905

Sample Type: Solid

Station ID: DSE-01-96-413

Date Collected: 08/08/12

Sample Wt: 5g

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	51.1		102	82-120	08/09/12	08/09/12
Surr: Toluene-d8	47.5		95.0	81-116	"	"
Surr: 4-Bromofluorobenzene	51.6		103	80-116	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U	RL	750	50	08/09/12	08/09/12
Chloromethane (74-87-3)	U		250	"	"	"
Vinyl chloride (75-01-4)	U		100	"	"	"
Bromomethane (74-83-9)	U		250	"	"	"
Chloroethane (75-00-3)	U		100	"	"	"
Trichlorofluoromethane (75-69-4)	U		100	"	"	"
1,1-Dichloroethene (75-35-4)	U		100	"	"	"
Carbon disulfide (75-15-0)	U		100	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		100	"	"	"
Acetone (67-64-1)	705		500	"	"	"
Methylene chloride (75-09-2)	U		100	"	"	"
Methyl acetate (79-20-9)	U		250	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		100	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		100	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		100	"	"	"
1,1-Dichloroethane (75-34-3)	U		100	"	"	"
2-Butanone (78-93-3)	U		250	"	"	"
Chloroform (67-66-3)	U		100	"	"	"
1,2-Dichloroethane (107-06-2)	U		100	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		100	"	"	"
Cyclohexane (110-82-7)	416	J	100	"	"	"
Carbon tetrachloride (56-23-5)	U		100	"	"	"
Benzene (71-43-2)	146		100	"	"	"
Trichloroethene (79-01-6)	U		100	"	"	"
Methylcyclohexane (108-87-2)	2,880	J	100	"	"	"
1,2-Dichloropropane (78-87-5)	U		100	"	"	"
Bromodichloromethane (75-27-4)	U		100	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		100	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-08

Station ID: DSE-01-96-413

Batch: B2H0905

Date Collected: 08/08/12

Sample Type: Solid

Sample Wt: 5g

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		100	50	08/09/12	08/09/12
1,1,2-Trichloroethane (79-00-5)	U		100	"	"	"
Dibromochloromethane (124-48-1)	U		100	"	"	"
Bromoform (75-25-2)	U		100	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		250	"	"	"
Toluene (108-88-3)	828		100	"	"	"
Tetrachloroethene (127-18-4)	U		100	"	"	"
2-Hexanone (591-78-6)	U		250	"	"	"
1,2-Dibromoethane (106-93-4)	U		100	"	"	"
Chlorobenzene (108-90-7)	U		100	"	"	"
Ethylbenzene (100-41-4)	1,480		100	"	"	"
meta-/para-Xylene (na)	6,240		200	"	"	"
ortho-Xylene (95-47-6)	2,590		100	"	"	"
Styrene (100-42-5)	U		100	"	"	"
Isopropylbenzene (98-82-8)	780		100	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		100	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		100	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		100	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		100	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		250	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		250	"	"	"

kws



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-08

Station ID: DSE-01-96-413

Batch: B2H1002

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 2.113g

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg (dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: 2-Fluorophenol</i>	31,900		64.9	38-101	08/10/12	08/17/12
<i>Surr: Phenol-d5</i>	45,500		92.3	42-105	"	"
<i>Surr: 2-Chlorophenol-d4</i>	31,700		64.3	40-100	"	"
<i>Surr: 1,2-Dichlorobenzene-d4</i>	20,800		63.3	37-100	"	"
<i>Surr: Nitrobenzene-d5</i>	37,000		113 #	42-108	"	"
<i>Surr: 2-Fluorobiphenyl</i>	35,900		109 #	51-103	"	"
<i>Surr: 2,4,6-Tribromophenol</i>	43,600		88.5	55-115	"	"
<i>Surr: Terphenyl-d14</i>	28,100		85.5	55-125	"	"

Targets

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	5,040	J	1,310	1	08/10/12	08/17/12
Acenaphthylene (208-96-8)	U		1,310	"	"	"
Acetophenone (98-86-2)	U		3,280	"	"	"
Anthracene (120-12-7)	3,150	J	1,310	"	"	"
Atrazine (1912-24-9)	U		3,280	"	"	"
Benzaldehyde (100-52-7)	U		3,280	"	"	"
Benzoic acid (65-85-0)	U		6,570	"	"	"
Benzo (a) anthracene (56-55-3)	U		3,280	"	"	"
Benzo (a) pyrene (50-32-8)	U		3,280	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		3,280	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		3,280	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		3,280	"	"	"
Benzyl alcohol (100-51-6)	U		3,280	"	"	"
1,1'-Biphenyl (92-52-4)	22,200	J	19,700	10	"	08/15/12
Bis(2-chloroethoxy)methane (111-91-1)	U		3,280	1	"	08/17/12
Bis(2-chloroethyl)ether (111-44-4)	U		3,280	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		3,280	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		3,280	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		3,280	"	"	"
Butyl benzyl phthalate (85-68-7)	U		3,280	"	"	"
Carbazole (86-74-8)	U		3,280	"	"	"
Caprolactam (105-60-2)	U		3,280	"	"	"
4-Chloroaniline (106-47-8)	U		3,280	"	"	"



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-08

Station ID: DSE-01-96-413

Batch: B2H1002

Date Collected: 08/08/12

Sample Type: Solid

Sample Wt: 2.113g

Sample Qualifiers:

%Solids: 72.08

Targets (Continued)

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chloronaphthalene (91-58-7)	U		3,280	1	08/10/12	08/17/12
2-Chlorophenol (95-57-8)	U		3,280	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		3,280	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		3,280	"	"	"
Chrysene (218-01-9)	U		3,280	"	"	"
Dibenzofuran (132-64-9)	19,100	J	3,280	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		3,280	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		3,280	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		3,280	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		3,280	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		3,280	"	"	"
2,4-Dichlorophenol (120-83-2)	U		3,280	"	"	"
Diethyl phthalate (84-66-2)	U		3,280	"	"	"
2,4-Dimethylphenol (105-67-9)	U		3,280	"	"	"
Dimethyl phthalate (131-11-3)	U		3,280	"	"	"
2,4-Dinitrophenol (51-28-5)	U		13,100	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		3,280	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		3,280	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		13,100	"	"	"
Di-n-butyl phthalate (84-74-2)	U		3,280	"	"	"
Di-n-octyl phthalate (117-84-0)	U		3,280	"	"	"
Fluoranthene (206-44-0)	U		1,310	"	"	"
Fluorene (86-73-7)	17,200	J	13,100	10	"	08/15/12
Hexachlorobenzene (118-74-1)	U		3,280	1	"	08/17/12
Hexachlorobutadiene (87-68-3)	U		3,280	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		3,280	"	"	"
Hexachloroethane (67-72-1)	U		3,280	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		3,280	"	"	"
Isophorone (78-59-1)	U		3,280	"	"	"
2-Methylnaphthalene (91-57-6)	310,000		13,100	10	"	08/15/12
2-Methylphenol (95-48-7)	U		3,280	1	"	08/17/12
3 &/or 4-Methylphenol (106-44-5)	U		3,280	"	"	"
Naphthalene (91-20-3)	86,100		13,100	10	"	08/15/12
2-Nitroaniline (88-74-4)	U		5,250	1	"	08/17/12
3-Nitroaniline (99-09-2)	U		5,250	"	"	"



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208005-08

Station ID: DSE-01-96-413

Batch: B2H1002

Date Collected: 08/08/12

Sample Type: Solid

Sample Wt: 2.113g

Sample Qualifiers:

%Solids: 72.08

Targets (Continued)

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Nitroaniline (100-01-6)	U		5,250	1	08/10/12	08/17/12
Nitrobenzene (98-95-3)	U		3,280	"	"	"
2-Nitrophenol (88-75-5)	U		3,280	"	"	"
4-Nitrophenol (100-02-7)	U		8,540	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		3,280	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		3,280	"	"	"
Pentachlorophenol (87-86-5)	U		3,280	"	"	"
Phenanthrene (85-01-8)	43,700		13,100	10	"	08/15/12
Phenol (108-95-2)	U		3,280	1	"	08/17/12
Pyrene (129-00-0)	1,880	J	1,310	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		3,280	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		3,280	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		3,280	"	"	"

BJS



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Pesticide/PCB by OLM04.2 - GC/ECD

Lab ID: 1208005-08

Station ID: DSE-01-96-413

Batch: B2H1001

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 10.183g

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg (dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: Tetrachloro-meta-xylene	16.8		49.3	41-112	08/10/12	08/17/12
Surr: Decachlorobiphenyl	39.3		115	49-122	"	"

Targets

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aldrin (309-00-2)	U		13.6	10	08/10/12	08/17/12
alpha-BHC (319-84-6)	U		13.6	"	"	"
beta-BHC (319-85-7)	U		13.6	"	"	"
delta-BHC (319-86-8)	U		13.6	"	"	"
gamma-BHC (Lindane) (58-89-9)	U		13.6	"	"	"
4,4'-DDD (72-54-8)	U		13.6	"	"	"
4,4'-DDE (72-55-9)	2.03		1.36	1	"	08/23/12
4,4'-DDT (50-29-3)	U		13.6	10	"	08/17/12
Die�din (60-57-1)	U		13.6	"	"	"
Endosulfan I (959-98-8)	U		13.6	"	"	"
Endosulfan II (33213-65-9)	U		13.6	"	"	"
Endosulfan sulfate (1031-07-8)	U		13.6	"	"	"
Endrin (72-20-8)	U		13.6	"	"	"
Endrin aldehyde (7421-93-4)	U		13.6	"	"	"
Endrin ketone (53494-70-5)	U		13.6	"	"	"
Heptachlor (76-44-8)	U		13.6	"	"	"
Heptachlor epoxide (1024-57-3)	U		13.6	"	"	"
Methoxychlor (72-43-5)	U	RL	20.4	"	"	"
alpha-Chlordane (5103-71-9)	U		13.6	"	"	"
gamma-Chlordane (5103-74-2)	U		13.6	"	"	"
Toxaphene (8001-35-2)	U	RL	136	1	"	08/23/12
Aroclor-1016 (12674-11-2)	U	RL	34.1	"	"	"
Aroclor-1221 (11104-28-2)	U	RL	68.1	"	"	"
Aroclor-1232 (11141-16-5)	U	RL	34.1	"	"	"
Aroclor-1242 (53469-21-9)	U	RL	34.1	"	"	"
Aroclor-1248 (12672-29-6)	U	RL	34.1	"	"	"
Aroclor-1254 (11097-69-1)	40.7	NJ	27.2	"	"	08/23/12
Aroclor-1260 (11096-82-5)	U		27.2	"	"	08/23/12

LW



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208005-08

Batch: B2H2204

Sample Type: Solid

Station ID: DSE-01-96-413

Date Collected: 08/08/12

Sample Wt: 0.514g

%Solids: 72.08

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	5,500		13.5	1	08/22/12	08/31/12
Barium (7440-39-3)	604		1.3	"	"	"
Beryllium (7440-41-7)	U		0.7	"	"	"
Cadmium (7440-43-9)	3.8		0.7	"	"	"
Calcium (7440-70-2)	12,100		20.2	"	"	"
Chromium (7440-47-3)	73.2		1.3	"	"	"
Cobalt (7440-48-4)	8.1		2.7	"	"	"
Copper (7440-50-8)	57.6		2.7	"	"	"
Iron (7439-89-6)	14,500		3.4	"	"	"
Magnesium (7439-95-4)	3,300		20.2	"	"	"
Manganese (7439-96-5)	489		0.7	"	"	"
Nickel (7440-02-2)	16.4		2.7	"	"	"
Potassium (7440-09-7)	1,020		135	"	"	"
Silver (7440-22-4)	2.0	K	1.3	"	"	"
Sodium (7440-23-5)	3,090		67.5	"	"	"
Vanadium (7440-62-2)	16.7		2.7	"	"	"
Zinc (7440-66-6)	723		2.7	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208005-08

Batch: B2H2205

Sample Type: Solid

Station ID: DSE-01-96-413

Date Collected: 08/08/12

Sample Wt: 0.524g

%Solids: 72.08

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	5.8		1.3	20	"	09/04/12
Arsenic (7440-38-2)	63.5		1.3	"	"	"
Lead (7439-92-1)	541		1.3	"	"	"
Selenium (7782-49-2)	U		1.3	"	"	"
Thallium (7440-28-0)	U		1.3	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208005-08

Batch: B2H2206

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 0.136g

%Solids: 72.08

Station ID: DSE-01-96-413

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	1.75		0.082	1	08/22/12	08/23/12 sm

Metals by CLP ILMO5.3 - ICP

Lab ID: 1208005-09

Batch: B2H2002

Sample Type: Liquid

Date Collected: 08/08/12

Sample Vol: 50ml

Station ID: HNC-01-00-112

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	261		100	1	08/20/12	08/29/12
Barium (7440-39-3)	74.7		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	23,500		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	517		25.0	"	"	"
Magnesium (7439-95-4)	9,980		150	"	"	"
Manganese (7439-96-5)	237		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	4,090		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	31,500		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

ts



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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208005-09

Batch: B2H2003

Sample Type: Liquid

Station ID: HNC-01-00-112

Date Collected: 08/08/12

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.0	4	08/20/12	08/31/12
Arsenic (7440-38-2)	2.8		2.0	"	"	"
Lead (7439-92-1)	U		2.0	"	"	"
Selenium (7782-49-2)	U		2.0	"	"	"
Thallium (7440-28-0)	U		2.0	"	"	"

KD

Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208005-09

Batch: B2H2404

Sample Type: Liquid

Station ID: HNC-01-00-112

Date Collected: 08/08/12

Sample Vol: 25ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	08/24/12	08/24/12

sm



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208005-10

Batch: B2H2002

Sample Type: Liquid

Station ID: HNC-02-00-112

Date Collected: 08/08/12

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	330		100	1	08/20/12	08/29/12
Barium (7440-39-3)	76.9		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	24,600		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	592		25.0	"	"	"
Magnesium (7439-95-4)	12,600		150	"	"	"
Manganese (7439-96-5)	198		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	4,640		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	53,600		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208005-10

Batch: B2H2003

Sample Type: Liquid

Station ID: HNC-02-00-112

Date Collected: 08/08/12

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.0	4	08/20/12	08/31/12
Arsenic (7440-38-2)	3.3		2.0	"	"	"
Lead (7439-92-1)	U		2.0	"	"	"
Selenium (7782-49-2)	U		2.0	"	"	"
Thallium (7440-28-0)	U		2.0	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208005-10

Batch: B2H2404

Sample Type: Liquid

Station ID: HNC-02-00-112

Date Collected: 08/08/12

Sample Vol: 25ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	08/24/12	08/24/12 sm

Metals by CLP ILMO5.3 - ICP

Lab ID: 1208005-11

Batch: B2H2002

Sample Type: Liquid

Station ID: HNC-03-00-112

Date Collected: 08/08/12

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	277		100	1	08/20/12	08/29/12
Barium (7440-39-3)	78.0		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	24,300		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	509		25.0	"	"	"
Magnesium (7439-95-4)	12,200		150	"	"	"
Manganese (7439-96-5)	198		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	4,420		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	49,700		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

ts



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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208005-11

Batch: B2H2003

Sample Type: Liquid

Station ID: HNC-03-00-112

Date Collected: 08/08/12

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.0	4	08/20/12	08/31/12
Arsenic (7440-38-2)	2.9		2.0	"	"	"
Lead (7439-92-1)	U		2.0	"	"	"
Selenium (7782-49-2)	U		2.0	"	"	"
Thallium (7440-28-0)	U		2.0	"	"	"

KD

Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208005-11

Batch: B2H2404

Sample Type: Liquid

Station ID: HNC-03-00-112

Date Collected: 08/08/12

Sample Vol: 25ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	08/24/12	08/24/12

sm



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208005-12

Batch: B2H2204

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 0.551g

%Solids: 45.19

Station ID: HNC-03-03-612

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	7,230		20.1	1	08/22/12	08/31/12
Barium (7440-39-3)	959		2.0	"	"	"
Beryllium (7440-41-7)	U		1.0	"	"	"
Cadmium (7440-43-9)	U		1.0	"	"	"
Calcium (7440-70-2)	14,500		30.1	"	"	"
Chromium (7440-47-3)	8.7		2.0	"	"	"
Cobalt (7440-48-4)	10.1		4.0	"	"	"
Copper (7440-50-8)	18.5		4.0	"	"	"
Iron (7439-89-6)	17,800		5.0	"	"	"
Magnesium (7439-95-4)	4,500		30.1	"	"	"
Manganese (7439-96-5)	736		1.0	"	"	"
Nickel (7440-02-2)	19.6		4.0	"	"	"
Potassium (7440-09-7)	1,380		201	"	"	"
Silver (7440-22-4)	U		2.0	"	"	"
Sodium (7440-23-5)	799		100	"	"	"
Vanadium (7440-62-2)	20.9		4.0	"	"	"
Zinc (7440-66-6)	88.7		4.0	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208005-12

Batch: B2H2205

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 0.551g

%Solids: 45.19

Station ID: HNC-03-03-612

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.0	20	"	09/04/12
Arsenic (7440-38-2)	9.0		2.0	"	"	"
Lead (7439-92-1)	18.2		2.0	"	"	"
Selenium (7782-49-2)	U		2.0	"	"	"
Thallium (7440-28-0)	U		2.0	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208005-12

Batch: B2H2206

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 0.146g

%Solids: 45.19

Station ID: HNC-03-03-612

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.121	1	08/22/12	08/23/12 sm

Metals by CLP ILMO5.3 - ICP

Lab ID: 1208005-13

Batch: B2H2002

Sample Type: Liquid

Date Collected: 08/08/12

Sample Vol: 50ml

Station ID: HNC-04-00-112

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	229		100	1	08/20/12	08/29/12
Barium (7440-39-3)	72.5		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	24,700		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	410		25.0	"	"	"
Magnesium (7439-95-4)	14,800		150	"	"	"
Manganese (7439-96-5)	172		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	5,000		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	73,100		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

ts



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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208005-13

Batch: B2H2003

Sample Type: Liquid

Station ID: HNC-04-00-112

Date Collected: 08/08/12

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.0	4	08/20/12	08/31/12
Arsenic (7440-38-2)	2.4		2.0	"	"	"
Lead (7439-92-1)	U		2.0	"	"	"
Selenium (7782-49-2)	2.2		2.0	"	"	"
Thallium (7440-28-0)	U		2.0	"	"	"

KD

Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208005-13

Batch: B2H2404

Sample Type: Liquid

Station ID: HNC-04-00-112

Date Collected: 08/08/12

Sample Vol: 25ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	08/24/12	08/24/12

sm



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208005-14

Batch: B2H2204

Sample Type: Solid

Station ID: HNC-04-03-612

Date Collected: 08/08/12

Sample Wt: 0.529g

%Solids: 42.84

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	8,670		22.1	1	08/22/12	08/31/12
Barium (7440-39-3)	1,560		2.2	"	"	"
Beryllium (7440-41-7)	U		1.1	"	"	"
Cadmium (7440-43-9)	U		1.1	"	"	"
Calcium (7440-70-2)	6,480		33.1	"	"	"
Chromium (7440-47-3)	11.9		2.2	"	"	"
Cobalt (7440-48-4)	11.8		4.4	"	"	"
Copper (7440-50-8)	22.0		4.4	"	"	"
Iron (7439-89-6)	17,500		5.5	"	"	"
Magnesium (7439-95-4)	5,260		33.1	"	"	"
Manganese (7439-96-5)	668		1.1	"	"	"
Nickel (7440-02-2)	22.6		4.4	"	"	"
Potassium (7440-09-7)	1,550		221	"	"	"
Silver (7440-22-4)	U		2.2	"	"	"
Sodium (7440-23-5)	843		110	"	"	"
Vanadium (7440-62-2)	24.1		4.4	"	"	"
Zinc (7440-66-6)	96.2		4.4	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208005-14

Batch: B2H2205

Sample Type: Solid

Station ID: HNC-04-03-612

Date Collected: 08/08/12

Sample Wt: 0.529g

%Solids: 42.84

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.2	20	"	09/04/12
Arsenic (7440-38-2)	8.2		2.2	"	"	"
Lead (7439-92-1)	22.9		2.2	"	"	"
Selenium (7782-49-2)	U		2.2	"	"	"
Thallium (7440-28-0)	U		2.2	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208005-14

Batch: B2H2206

Sample Type: Solid

Station ID: HNC-04-03-612

Date Collected: 08/08/12

Sample Wt: 0.132g

%Solids: 42.84

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.141	1	08/22/12	08/23/12 sm

Metals by CLP ILMO5.3 - ICP

Lab ID: 1208005-15

Batch: B2H2002

Sample Type: Liquid

Station ID: BLC-04-00-112

Date Collected: 08/08/12

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	325	J	100	1	08/20/12	08/29/12
Barium (7440-39-3)	72.6		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	23,300		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	559		25.0	"	"	"
Magnesium (7439-95-4)	10,200		150	"	"	"
Manganese (7439-96-5)	139		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	3,550		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	33,600		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

ts



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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208005-15

Batch: B2H2003

Sample Type: Liquid

Station ID: BLC-04-00-112

Date Collected: 08/08/12

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.0	4	08/20/12	08/31/12
Arsenic (7440-38-2)	2.4		2.0	"	"	"
Lead (7439-92-1)	U		2.0	"	"	"
Selenium (7782-49-2)	U		2.0	"	"	"
Thallium (7440-28-0)	U		2.0	"	"	"

KD

Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208005-15

Batch: B2H2404

Sample Type: Liquid

Station ID: BLC-04-00-112

Date Collected: 08/08/12

Sample Vol: 25ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	08/24/12	08/24/12

sm



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208005-16

Batch: B2H2204

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 0.528g

%Solids: 39.61

Station ID: BLC-04-03-612

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	10,000		23.9	1	08/22/12	08/31/12
Barium (7440-39-3)	2,780		2.4	"	"	"
Beryllium (7440-41-7)	U		1.2	"	"	"
Cadmium (7440-43-9)	U		1.2	"	"	"
Calcium (7440-70-2)	6,610		35.9	"	"	"
Chromium (7440-47-3)	14.0		2.4	"	"	"
Cobalt (7440-48-4)	14.1		4.8	"	"	"
Copper (7440-50-8)	29.0		4.8	"	"	"
Iron (7439-89-6)	20,000		6.0	"	"	"
Magnesium (7439-95-4)	5,710		35.9	"	"	"
Manganese (7439-96-5)	669		1.2	"	"	"
Nickel (7440-02-2)	24.1		4.8	"	"	"
Potassium (7440-09-7)	1,860		239	"	"	"
Silver (7440-22-4)	U		2.4	"	"	"
Sodium (7440-23-5)	916		120	"	"	"
Vanadium (7440-62-2)	25.4		4.8	"	"	"
Zinc (7440-66-6)	162		4.8	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208005-16

Batch: B2H2205

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 0.528g

%Solids: 39.61

Station ID: BLC-04-03-612

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.4	20	"	09/04/12
Arsenic (7440-38-2)	8.7		2.4	"	"	"
Lead (7439-92-1)	31.9		2.4	"	"	"
Selenium (7782-49-2)	U		2.4	"	"	"
Thallium (7440-28-0)	U		2.4	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208005-16

Batch: B2H2206

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 0.153g

%Solids: 39.61

Station ID: BLC-04-03-612

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.132	1	08/22/12	08/23/12 sm

Metals by CLP ILMO5.3 - ICP

Lab ID: 1208005-17

Batch: B2H2204

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 0.534g

%Solids: 42.69

Station ID: HNC-01-03-611

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	7,750		21.9	1	08/22/12	08/31/12
Barium (7440-39-3)	623		2.2	"	"	"
Beryllium (7440-41-7)	U		1.1	"	"	"
Cadmium (7440-43-9)	U		1.1	"	"	"
Calcium (7440-70-2)	27,700		32.9	"	"	"
Chromium (7440-47-3)	9.6		2.2	"	"	"
Cobalt (7440-48-4)	9.1		4.4	"	"	"
Copper (7440-50-8)	22.9		4.4	"	"	"
Iron (7439-89-6)	16,400		5.5	"	"	"
Magnesium (7439-95-4)	4,180		32.9	"	"	"
Manganese (7439-96-5)	930		1.1	"	"	"
Nickel (7440-02-2)	18.8		4.4	"	"	"
Potassium (7440-09-7)	1,290		219	"	"	"
Silver (7440-22-4)	U		2.2	"	"	"
Sodium (7440-23-5)	605		110	"	"	"
Vanadium (7440-62-2)	19.1		4.4	"	"	"
Zinc (7440-66-6)	76.4		4.4	"	"	"

ts



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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208005-17

Batch: B2H2205

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 0.534g

%Solids: 42.69

Station ID: HNC-01-03-611

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.2	20	08/22/12	09/04/12
Arsenic (7440-38-2)	6.9		2.2	"	"	"
Lead (7439-92-1)	24.5		2.2	"	"	"
Selenium (7782-49-2)	U		2.2	"	"	"
Thallium (7440-28-0)	U		2.2	"	"	"

KD

Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208005-17

Batch: B2H2206

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 0.134g

%Solids: 42.69

Station ID: HNC-01-03-611

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.140	1	08/22/12	08/23/12

sm



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208005-18

Batch: B2H2204

Sample Type: Solid

Station ID: HNC-02-03-611

Date Collected: 08/08/12

Sample Wt: 0.527g

%Solids: 57.84

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	11,100		16.4	1	08/22/12	08/31/12
Barium (7440-39-3)	209		1.6	"	"	"
Beryllium (7440-41-7)	1.1		0.8	"	"	"
Cadmium (7440-43-9)	U		0.8	"	"	"
Calcium (7440-70-2)	7,110		24.6	"	"	"
Chromium (7440-47-3)	11.8		1.6	"	"	"
Cobalt (7440-48-4)	7.4		3.3	"	"	"
Copper (7440-50-8)	29.0		3.3	"	"	"
Iron (7439-89-6)	14,900		4.1	"	"	"
Magnesium (7439-95-4)	5,710		24.6	"	"	"
Manganese (7439-96-5)	223		0.8	"	"	"
Nickel (7440-02-2)	19.2		3.3	"	"	"
Potassium (7440-09-7)	1,980		164	"	"	"
Silver (7440-22-4)	U		1.6	"	"	"
Sodium (7440-23-5)	430		82.0	"	"	"
Vanadium (7440-62-2)	29.8		3.3	"	"	"
Zinc (7440-66-6)	85.2		3.3	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208005-18

Batch: B2H2205

Sample Type: Solid

Station ID: HNC-02-03-611

Date Collected: 08/08/12

Sample Wt: 0.527g

%Solids: 57.84

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		1.6	20	"	09/04/12
Arsenic (7440-38-2)	4.7		1.6	"	"	"
Lead (7439-92-1)	18.7		1.6	"	"	"
Selenium (7782-49-2)	U		1.6	"	"	"
Thallium (7440-28-0)	U		1.6	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208005-18

Batch: B2H2206

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 0.14g

%Solids: 57.84

Station ID: HNC-02-03-611

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.099	1	08/22/12	08/23/12 sm

Metals by CLP ILMO5.3 - ICP

Lab ID: 1208005-19

Batch: B2H2002

Sample Type: Liquid

Date Collected: 08/08/12

Sample Vol: 50ml

Station ID: HNC-05-00-112

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	299		100	1	08/20/12	08/29/12
Barium (7440-39-3)	74.9		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	25,900		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	524		25.0	"	"	"
Magnesium (7439-95-4)	17,800		150	"	"	"
Manganese (7439-96-5)	184		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	5,980		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	98,000		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

ts



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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208005-19

Batch: B2H2003

Sample Type: Liquid

Station ID: HNC-05-00-112

Date Collected: 08/08/12

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.0	4	08/20/12	08/31/12
Arsenic (7440-38-2)	3.8		2.0	"	"	"
Lead (7439-92-1)	U		2.0	"	"	"
Selenium (7782-49-2)	2.4		2.0	"	"	"
Thallium (7440-28-0)	U		2.0	"	"	"

KD

Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208005-19

Batch: B2H2404

Sample Type: Liquid

Station ID: HNC-05-00-112

Date Collected: 08/08/12

Sample Vol: 25ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	08/24/12	08/24/12

sm



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208005-20

Batch: B2H2204

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 0.537g

%Solids: 59.58

Station ID: HNC-05-03-612

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	10,900		15.6	1	08/22/12	08/31/12
Barium (7440-39-3)	238		1.6	"	"	"
Beryllium (7440-41-7)	1.1		0.8	"	"	"
Cadmium (7440-43-9)	U		0.8	"	"	"
Calcium (7440-70-2)	5,090		23.4	"	"	"
Chromium (7440-47-3)	13.0		1.6	"	"	"
Cobalt (7440-48-4)	12.0		3.1	"	"	"
Copper (7440-50-8)	26.0		3.1	"	"	"
Iron (7439-89-6)	20,500		3.9	"	"	"
Magnesium (7439-95-4)	5,470		23.4	"	"	"
Manganese (7439-96-5)	359		0.8	"	"	"
Nickel (7440-02-2)	29.9		3.1	"	"	"
Potassium (7440-09-7)	1,660		156	"	"	"
Silver (7440-22-4)	U		1.6	"	"	"
Sodium (7440-23-5)	765		78.1	"	"	"
Vanadium (7440-62-2)	36.2		3.1	"	"	"
Zinc (7440-66-6)	75.1		3.1	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208005-20

Batch: B2H2205

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 0.537g

%Solids: 59.58

Station ID: HNC-05-03-612

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		1.6	20	"	09/04/12
Arsenic (7440-38-2)	4.7		1.6	"	"	"
Lead (7439-92-1)	19.3		1.6	"	"	"
Selenium (7782-49-2)	U		1.6	"	"	"
Thallium (7440-28-0)	U		1.6	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208005-20

Batch: B2H2206

Sample Type: Solid

Date Collected: 08/08/12

Sample Wt: 0.126g

%Solids: 59.58

Station ID: HNC-05-03-612

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.107	1	08/22/12	08/23/12 sm

Metals by CLP ILMO5.3 - ICP

Lab ID: 1208006-01

Batch: B2H2204

Sample Type: Solid

Date Collected: 08/09/12

Sample Wt: 0.545g

%Solids: 63.30

Station ID: BLC-01-03-611

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	7,730		14.5	1	08/22/12	09/04/12
Barium (7440-39-3)	1,830		1.4	"	"	"
Beryllium (7440-41-7)	0.7		0.7	"	"	"
Cadmium (7440-43-9)	U		0.7	"	"	"
Calcium (7440-70-2)	27,700		21.7	"	"	"
Chromium (7440-47-3)	11.4		1.4	"	"	"
Cobalt (7440-48-4)	10.2		2.9	"	"	"
Copper (7440-50-8)	30.6		2.9	"	"	"
Iron (7439-89-6)	16,800		3.6	"	"	"
Magnesium (7439-95-4)	4,140		21.7	"	"	"
Manganese (7439-96-5)	491		0.7	"	"	"
Nickel (7440-02-2)	18.8		2.9	"	"	"
Potassium (7440-09-7)	1,350		145	"	"	"
Silver (7440-22-4)	U		1.4	"	"	"
Sodium (7440-23-5)	398		72.5	"	"	"
Vanadium (7440-62-2)	20.5		2.9	"	"	"
Zinc (7440-66-6)	167		2.9	"	"	"

ts



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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208006-01

Batch: B2H2205

Sample Type: Solid

Date Collected: 08/09/12

Sample Wt: 0.545g

%Solids: 63.30

Station ID: BLC-01-03-611

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		1.4	20	08/22/12	09/04/12
Arsenic (7440-38-2)	7.4		1.4	"	"	"
Lead (7439-92-1)	43.2		1.4	"	"	"
Selenium (7782-49-2)	U		1.4	"	"	"
Thallium (7440-28-0)	U		1.4	"	"	"

KD

Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208006-01

Batch: B2H2206

Sample Type: Solid

Date Collected: 08/09/12

Sample Wt: 0.141g

%Solids: 63.30

Station ID: BLC-01-03-611

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	0.165		0.090	1	08/22/12	08/23/12

sm



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208006-02

Batch: B2H2204

Sample Type: Solid

Date Collected: 08/09/12

Sample Wt: 0.537g

%Solids: 49.91

Station ID: BLC-02-03-611

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	8,570		18.7	1	08/22/12	09/04/12
Barium (7440-39-3)	2,050		1.9	"	"	"
Beryllium (7440-41-7)	U		0.9	"	"	"
Cadmium (7440-43-9)	U		0.9	"	"	"
Calcium (7440-70-2)	5,850		28.0	"	"	"
Chromium (7440-47-3)	8.7		1.9	"	"	"
Cobalt (7440-48-4)	12.5		3.7	"	"	"
Copper (7440-50-8)	19.4		3.7	"	"	"
Iron (7439-89-6)	23,600		4.7	"	"	"
Magnesium (7439-95-4)	4,620		28.0	"	"	"
Manganese (7439-96-5)	759		0.9	"	"	"
Nickel (7440-02-2)	20.9		3.7	"	"	"
Potassium (7440-09-7)	1,540		187	"	"	"
Silver (7440-22-4)	U		1.9	"	"	"
Sodium (7440-23-5)	669		93.3	"	"	"
Vanadium (7440-62-2)	23.6		3.7	"	"	"
Zinc (7440-66-6)	132		3.7	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208006-02

Batch: B2H2205

Sample Type: Solid

Date Collected: 08/09/12

Sample Wt: 0.537g

%Solids: 49.91

Station ID: BLC-02-03-611

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		1.9	20	"	09/04/12
Arsenic (7440-38-2)	10.5		1.9	"	"	"
Lead (7439-92-1)	21.0		1.9	"	"	"
Selenium (7782-49-2)	U		1.9	"	"	"
Thallium (7440-28-0)	U		1.9	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208006-02

Batch: B2H2206

Sample Type: Solid

Date Collected: 08/09/12

Sample Wt: 0.131g

%Solids: 49.91

Station ID: BLC-02-03-611

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.122	1	08/22/12	08/23/12 sm

Metals by CLP ILMO5.3 - ICP

Lab ID: 1208006-03

Batch: B2H2204

Sample Type: Solid

Date Collected: 08/09/12

Sample Wt: 0.532g

%Solids: 41.70

Station ID: BLC-03-03-612

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	8,130		22.5	1	08/22/12	09/04/12
Barium (7440-39-3)	2,770		2.3	"	"	"
Beryllium (7440-41-7)	U		1.1	"	"	"
Cadmium (7440-43-9)	U		1.1	"	"	"
Calcium (7440-70-2)	6,350		33.8	"	"	"
Chromium (7440-47-3)	12.0		2.3	"	"	"
Cobalt (7440-48-4)	12.9		4.5	"	"	"
Copper (7440-50-8)	27.8		4.5	"	"	"
Iron (7439-89-6)	17,400		5.6	"	"	"
Magnesium (7439-95-4)	4,740		33.8	"	"	"
Manganese (7439-96-5)	610		1.1	"	"	"
Nickel (7440-02-2)	20.8		4.5	"	"	"
Potassium (7440-09-7)	1,550		225	"	"	"
Silver (7440-22-4)	U		2.3	"	"	"
Sodium (7440-23-5)	872		113	"	"	"
Vanadium (7440-62-2)	20.9		4.5	"	"	"
Zinc (7440-66-6)	179		4.5	"	"	"

ts



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Region 6 Laboratory

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208006-03

Batch: B2H2205

Sample Type: Solid

Date Collected: 08/09/12

Sample Wt: 0.532g

%Solids: 41.70

Station ID: BLC-03-03-612

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.3	20	08/22/12	09/04/12
Arsenic (7440-38-2)	7.5		2.3	"	"	"
Lead (7439-92-1)	49.6		2.3	"	"	"
Selenium (7782-49-2)	U		2.3	"	"	"
Thallium (7440-28-0)	U		2.3	"	"	"

KD

Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208006-03

Batch: B2H2206

Sample Type: Solid

Date Collected: 08/09/12

Sample Wt: 0.154g

%Solids: 41.70

Station ID: BLC-03-03-612

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.125	1	08/22/12	08/23/12

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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208006-04

Batch: B2H0905

Sample Type: Solid

Station ID: DSE-03-24-413

Date Collected: 08/09/12

Sample Wt: 4.999g

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	50.4		101	82-120	08/10/12	08/10/12
Surr: Toluene-d8	49.3		98.6	81-116	"	"
Surr: 4-Bromofluorobenzene	52.4		105	80-116	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U	RL	1,500	50	08/10/12	08/10/12
Chloromethane (74-87-3)	U		250	"	"	"
Vinyl chloride (75-01-4)	U		100	"	"	"
Bromomethane (74-83-9)	U		250	"	"	"
Chloroethane (75-00-3)	U	RL	200	"	"	"
Trichlorofluoromethane (75-69-4)	U		100	"	"	"
1,1-Dichloroethene (75-35-4)	U		100	"	"	"
Carbon disulfide (75-15-0)	U		100	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		100	"	"	"
Acetone (67-64-1)	U		500	"	"	"
Methylene chloride (75-09-2)	U		100	"	"	"
Methyl acetate (79-20-9)	U		250	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		100	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		100	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		100	"	"	"
1,1-Dichloroethane (75-34-3)	U		100	"	"	"
2-Butanone (78-93-3)	U		250	"	"	"
Chloroform (67-66-3)	U		100	"	"	"
1,2-Dichloroethane (107-06-2)	U		100	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		100	"	"	"
Cyclohexane (110-82-7)	165		100	"	"	"
Carbon tetrachloride (56-23-5)	U		100	"	"	"
Benzene (71-43-2)	U		100	"	"	"
Trichloroethene (79-01-6)	U		100	"	"	"
Methylcyclohexane (108-87-2)	955		100	"	"	"
1,2-Dichloropropane (78-87-5)	U		100	"	"	"
Bromodichloromethane (75-27-4)	U		100	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		100	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208006-04

Batch: B2H0905

Sample Type: Solid

Station ID: DSE-03-24-413

Date Collected: 08/09/12

Sample Wt: 4.999g

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		100	50	08/10/12	08/10/12
1,1,2-Trichloroethane (79-00-5)	U		100	"	"	"
Dibromochloromethane (124-48-1)	U		100	"	"	"
Bromoform (75-25-2)	U		100	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		250	"	"	"
Toluene (108-88-3)	103		100	"	"	"
Tetrachloroethene (127-18-4)	U		100	"	"	"
2-Hexanone (591-78-6)	U		250	"	"	"
1,2-Dibromoethane (106-93-4)	U		100	"	"	"
Chlorobenzene (108-90-7)	U		100	"	"	"
Ethylbenzene (100-41-4)	163		100	"	"	"
meta-/para-Xylene (na)	812		200	"	"	"
ortho-Xylene (95-47-6)	501		100	"	"	"
Styrene (100-42-5)	U		100	"	"	"
Isopropylbenzene (98-82-8)	286		100	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		100	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		100	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		100	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		100	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		250	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		250	"	"	"

kws



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208006-04

Station ID: DSE-03-24-413

Batch: B2H1403

Sample Type: Solid

Date Collected: 08/09/12

Sample Wt: 2.25g

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg (dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: 2-Fluorophenol</i>	42,800		76.0	38-101	08/15/12	08/15/12
<i>Surr: Phenol-d5</i>	47,100		83.7	42-105	"	"
<i>Surr: 2-Chlorophenol-d4</i>	39,700		70.4	40-100	"	"
<i>Surr: 1,2-Dichlorobenzene-d4</i>	23,000		61.3	37-100	"	"
<i>Surr: Nitrobenzene-d5</i>	31,000		82.6	42-108	"	"
<i>Surr: 2-Fluorobiphenyl</i>	35,500		94.5	51-103	"	"
<i>Surr: 2,4,6-Tribromophenol</i>	57,500		102	55-115	"	"
<i>Surr: Terphenyl-d14</i>	29,300		78.0	55-125	"	"

Targets

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	3,560		1,500	1	08/15/12	08/15/12
Acenaphthylene (208-96-8)	U		1,500	"	"	"
Acetophenone (98-86-2)	U		3,750	"	"	"
Anthracene (120-12-7)	2,550		1,500	"	"	"
Atrazine (1912-24-9)	U		3,750	"	"	"
Benzaldehyde (100-52-7)	U		3,750	"	"	"
Benzoic acid (65-85-0)	U		7,510	"	"	"
Benzo (a) anthracene (56-55-3)	U		3,750	"	"	"
Benzo (a) pyrene (50-32-8)	U		3,750	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		3,750	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		3,750	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		3,750	"	"	"
Benzyl alcohol (100-51-6)	U		3,750	"	"	"
1,1'-Biphenyl (92-52-4)	U		3,750	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		3,750	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		3,750	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		3,750	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		3,750	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		3,750	"	"	"
Butyl benzyl phthalate (85-68-7)	U		3,750	"	"	"
Carbazole (86-74-8)	U		3,750	"	"	"
Caprolactam (105-60-2)	U		3,750	"	"	"
4-Chloroaniline (106-47-8)	U		3,750	"	"	"



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208006-04

Station ID: DSE-03-24-413

Batch: B2H1403

Date Collected: 08/09/12

Sample Type: Solid

Sample Wt: 2.25g

Sample Qualifiers:

%Solids: 59.21

Targets (Continued)

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chloronaphthalene (91-58-7)	U		3,750	1	08/15/12	08/15/12
2-Chlorophenol (95-57-8)	U		3,750	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		3,750	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		3,750	"	"	"
Chrysene (218-01-9)	U		3,750	"	"	"
Dibenzofuran (132-64-9)	U		3,750	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		3,750	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		3,750	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		3,750	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		3,750	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		3,750	"	"	"
2,4-Dichlorophenol (120-83-2)	U		3,750	"	"	"
Diethyl phthalate (84-66-2)	U		3,750	"	"	"
2,4-Dimethylphenol (105-67-9)	U		3,750	"	"	"
Dimethyl phthalate (131-11-3)	U		3,750	"	"	"
2,4-Dinitrophenol (51-28-5)	U		15,000	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		3,750	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		3,750	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		15,000	"	"	"
Di-n-butyl phthalate (84-74-2)	U		3,750	"	"	"
Di-n-octyl phthalate (117-84-0)	U		3,750	"	"	"
Fluoranthene (206-44-0)	U		1,500	"	"	"
Fluorene (86-73-7)	11,600		1,500	"	"	"
Hexachlorobenzene (118-74-1)	U		3,750	"	"	"
Hexachlorobutadiene (87-68-3)	U		3,750	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		3,750	"	"	"
Hexachloroethane (67-72-1)	U		3,750	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		3,750	"	"	"
Isophorone (78-59-1)	U		3,750	"	"	"
2-Methylnaphthalene (91-57-6)	98,400		15,000	10	"	08/15/12
2-Methylphenol (95-48-7)	U		3,750	1	"	08/15/12
3 &/or 4-Methylphenol (106-44-5)	U		3,750	"	"	"
Naphthalene (91-20-3)	10,600		1,500	"	"	"
2-Nitroaniline (88-74-4)	U		6,000	"	"	"
3-Nitroaniline (99-09-2)	U		6,000	"	"	"



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208006-04

Station ID: DSE-03-24-413

Batch: B2H1403

Date Collected: 08/09/12

Sample Type: Solid

Sample Wt: 2.25g

Sample Qualifiers:

%Solids: 59.21

Targets (Continued)

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Nitroaniline (100-01-6)	U		6,000	1	08/15/12	08/15/12
Nitrobenzene (98-95-3)	U		3,750	"	"	"
2-Nitrophenol (88-75-5)	U		3,750	"	"	"
4-Nitrophenol (100-02-7)	U		9,760	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		3,750	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		3,750	"	"	"
Pentachlorophenol (87-86-5)	U		3,750	"	"	"
Phenanthrene (85-01-8)	23,500		1,500	"	"	"
Phenol (108-95-2)	U		3,750	"	"	"
Pyrene (129-00-0)	2,200		1,500	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		3,750	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		3,750	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		3,750	"	"	"

BJS



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Pesticide/PCB by OLM04.2 - GC/ECD

Lab ID: 1208006-04

Station ID: DSE-03-24-413

Batch: B2H1404

Sample Type: Solid

Date Collected: 08/09/12

Sample Wt: 5.352g

%Solids: 59.21

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg (dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: Tetrachloro-meta-xylene	39.5		50.1	41-112	08/15/12	08/23/12
Surr: Decachlorobiphenyl	66.1		83.7	49-122	"	"

Targets

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aldrin (309-00-2)	U	RL	9.47	1	08/15/12	08/16/12
alpha-BHC (319-84-6)	U		3.16	"	"	08/23/12
beta-BHC (319-85-7)	U		3.16	"	"	"
delta-BHC (319-86-8)	U	RL	9.47	"	"	"
gamma-BHC (Lindane) (58-89-9)	U		3.16	"	"	"
4,4'-DDD (72-54-8)	U		3.16	"	"	"
4,4'-DDE (72-55-9)	U		3.16	"	"	"
4,4'-DDT (50-29-3)	U	RL	4.73	"	"	"
Dieldrin (60-57-1)	U		3.16	"	"	08/16/12
Endosulfan I (959-98-8)	U		3.16	"	"	"
Endosulfan II (33213-65-9)	U	RL	4.73	"	"	"
Endosulfan sulfate (1031-07-8)	U	RL	14.2	"	"	"
Endrin (72-20-8)	U	RL	6.31	"	"	"
Endrin aldehyde (7421-93-4)	U	RL	15.8	"	"	"
Endrin ketone (53494-70-5)	U	RL	7.89	"	"	"
Heptachlor (76-44-8)	U		3.16	"	"	08/23/12
Heptachlor epoxide (1024-57-3)	U	RL	4.73	"	"	08/16/12
Methoxychlor (72-43-5)	U	RL	74.2	"	"	"
alpha-Chlordane (5103-71-9)	U	RL	6.31	"	"	08/23/12
gamma-Chlordane (5103-74-2)	U		3.16	"	"	"
Toxaphene (8001-35-2)	U	RL	789	"	"	"
Aroclor-1016 (12674-11-2)	U	RL	158	"	"	08/23/12
Aroclor-1221 (11104-28-2)	U	RL	316	"	"	"
Aroclor-1232 (11141-16-5)	U	RL	158	"	"	"
Aroclor-1242 (53469-21-9)	U	RL	158	"	"	"
Aroclor-1248 (12672-29-6)	U	RL	158	"	"	"
Aroclor-1254 (11097-69-1)	U	RL	158	"	"	08/23/12
Aroclor-1260 (11096-82-5)	U	RL	78.9	"	"	08/23/12

LW



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208006-04

Batch: B2H2204

Sample Type: Solid

Station ID: DSE-03-24-413

Date Collected: 08/09/12

Sample Wt: 0.55g

%Solids: 59.21

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	8,420		15.4	1	08/22/12	09/04/12
Barium (7440-39-3)	1,890		1.5	"	"	"
Beryllium (7440-41-7)	U		0.8	"	"	"
Cadmium (7440-43-9)	1.7		0.8	"	"	"
Calcium (7440-70-2)	9,450		23.0	"	"	"
Chromium (7440-47-3)	98.0	J	1.5	"	"	"
Cobalt (7440-48-4)	9.4		3.1	"	"	"
Copper (7440-50-8)	41.3		3.1	"	"	"
Iron (7439-89-6)	15,900		3.8	"	"	"
Magnesium (7439-95-4)	3,790		23.0	"	"	"
Manganese (7439-96-5)	304		0.8	"	"	"
Nickel (7440-02-2)	17.4		3.1	"	"	"
Potassium (7440-09-7)	1,500		154	"	"	"
Silver (7440-22-4)	U		1.5	"	"	"
Sodium (7440-23-5)	498		76.8	"	"	"
Vanadium (7440-62-2)	24.4		3.1	"	"	"
Zinc (7440-66-6)	430	J	3.1	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208006-04

Batch: B2H2205

Sample Type: Solid

Station ID: DSE-03-24-413

Date Collected: 08/09/12

Sample Wt: 0.55g

%Solids: 59.21

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U	J	1.5	20	"	09/04/12
Arsenic (7440-38-2)	18.1		1.5	"	"	"
Lead (7439-92-1)	194		1.5	"	"	"
Selenium (7782-49-2)	2.8		1.5	"	"	"
Thallium (7440-28-0)	U		1.5	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208006-04

Station ID: DSE-03-24-413

Batch: B2H2206

Date Collected: 08/09/12

Sample Type: Solid

Sample Wt: 0.161g

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	0.478		0.084	1	08/22/12	08/23/12 sm



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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208006-05

Batch: B2H1401

Sample Type: Liquid

Station ID: DSE-03-24-445

Date Collected: 08/09/12

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	49.3		98.5	81-124	08/14/12	08/14/12
Surr: Toluene-d8	50.1		100	86-115	"	"
Surr: 4-Bromofluorobenzene	49.0		97.9	76-115	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		5.0	1	08/14/12	08/14/12
Chloromethane (74-87-3)	U		5.0	"	"	"
Vinyl chloride (75-01-4)	U		2.0	"	"	"
Bromomethane (74-83-9)	U		5.0	"	"	"
Chloroethane (75-00-3)	U		2.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		2.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		2.0	"	"	"
Carbon disulfide (75-15-0)	U		2.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		2.0	"	"	"
Acetone (67-64-1)	U		10.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		2.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		2.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		2.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		2.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		2.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		2.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		2.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		2.0	"	"	"
Cyclohexane (110-82-7)	U		2.0	"	"	"
Carbon tetrachloride (56-23-5)	U		2.0	"	"	"
Benzene (71-43-2)	U		2.0	"	"	"
Trichloroethene (79-01-6)	U		2.0	"	"	"
Methylcyclohexane (108-87-2)	U		2.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		2.0	"	"	"
Bromodichloromethane (75-27-4)	U		2.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		2.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory

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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208006-05

Batch: B2H1401

Sample Type: Liquid

Station ID: DSE-03-24-445

Date Collected: 08/09/12

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		2.0	1	08/14/12	08/14/12
1,1,2-Trichloroethane (79-00-5)	U		2.0	"	"	"
Dibromochloromethane (124-48-1)	U		2.0	"	"	"
Bromoform (75-25-2)	U		2.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		2.0	"	"	"
Tetrachloroethene (127-18-4)	U		2.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		2.0	"	"	"
Chlorobenzene (108-90-7)	U		2.0	"	"	"
Ethylbenzene (100-41-4)	U		2.0	"	"	"
meta-/para-Xylene (na)	U		4.0	"	"	"
ortho-Xylene (95-47-6)	U		2.0	"	"	"
Styrene (100-42-5)	U		2.0	"	"	"
Isopropylbenzene (98-82-8)	U		2.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		2.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		2.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		2.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		2.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		5.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		5.0	"	"	"

This sample was received at pH 2.

Vinyl Chloride and Styrene may be biased low.

kws



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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208006-06

Batch: B2H0905

Sample Type: Solid

Station ID: DSE-03-48-413

Date Collected: 08/09/12

Sample Wt: 5.005g

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	53.9		108	82-120	08/10/12	08/10/12
Surr: Toluene-d8	50.2		100	81-116	"	"
Surr: 4-Bromofluorobenzene	52.3		105	80-116	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U	RL	1,500	50	08/10/12	08/10/12
Chloromethane (74-87-3)	U		250	"	"	"
Vinyl chloride (75-01-4)	U		99.9	"	"	"
Bromomethane (74-83-9)	U		250	"	"	"
Chloroethane (75-00-3)	U	RL	200	"	"	"
Trichlorofluoromethane (75-69-4)	U		99.9	"	"	"
1,1-Dichloroethene (75-35-4)	U		99.9	"	"	"
Carbon disulfide (75-15-0)	U		99.9	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		99.9	"	"	"
Acetone (67-64-1)	U		500	"	"	"
Methylene chloride (75-09-2)	U		99.9	"	"	"
Methyl acetate (79-20-9)	U		250	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		99.9	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		99.9	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		99.9	"	"	"
1,1-Dichloroethane (75-34-3)	U		99.9	"	"	"
2-Butanone (78-93-3)	U		250	"	"	"
Chloroform (67-66-3)	U		99.9	"	"	"
1,2-Dichloroethane (107-06-2)	U		99.9	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		99.9	"	"	"
Cyclohexane (110-82-7)	U		99.9	"	"	"
Carbon tetrachloride (56-23-5)	U		99.9	"	"	"
Benzene (71-43-2)	U		99.9	"	"	"
Trichloroethene (79-01-6)	U		99.9	"	"	"
Methylcyclohexane (108-87-2)	266		99.9	"	"	"
1,2-Dichloropropane (78-87-5)	U		99.9	"	"	"
Bromodichloromethane (75-27-4)	U		99.9	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		99.9	"	"	"



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Volatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208006-06

Station ID: DSE-03-48-413

Batch: B2H0905

Date Collected: 08/09/12

Sample Type: Solid

Sample Wt: 5.005g

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		99.9	50	08/10/12	08/10/12
1,1,2-Trichloroethane (79-00-5)	U		99.9	"	"	"
Dibromochloromethane (124-48-1)	U		99.9	"	"	"
Bromoform (75-25-2)	U		99.9	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		250	"	"	"
Toluene (108-88-3)	153		99.9	"	"	"
Tetrachloroethene (127-18-4)	U		99.9	"	"	"
2-Hexanone (591-78-6)	U		250	"	"	"
1,2-Dibromoethane (106-93-4)	U		99.9	"	"	"
Chlorobenzene (108-90-7)	U		99.9	"	"	"
Ethylbenzene (100-41-4)	223		99.9	"	"	"
meta-/para-Xylene (na)	891		200	"	"	"
ortho-Xylene (95-47-6)	463		99.9	"	"	"
Styrene (100-42-5)	U		99.9	"	"	"
Isopropylbenzene (98-82-8)	109		99.9	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		99.9	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		99.9	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		99.9	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		99.9	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		250	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		250	"	"	"

kws



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208006-06

Station ID: DSE-03-48-413

Batch: B2H1403

Sample Type: Solid

Date Collected: 08/09/12

Sample Wt: 10.281g

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg (dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: 2-Fluorophenol</i>	9,980		84.4	38-101	08/15/12	08/15/12
<i>Surr: Phenol-d5</i>	10,700		90.4	42-105	"	"
<i>Surr: 2-Chlorophenol-d4</i>	9,110		77.1	40-100	"	"
<i>Surr: 1,2-Dichlorobenzene-d4</i>	5,240		66.6	37-100	"	"
<i>Surr: Nitrobenzene-d5</i>	10,000		127 #	42-108	"	"
<i>Surr: 2-Fluorobiphenyl</i>	6,930		87.9	51-103	"	"
<i>Surr: 2,4,6-Tribromophenol</i>	10,500		88.6	55-115	"	"
<i>Surr: Terphenyl-d14</i>	6,280		79.7	55-125	"	"

Targets

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	993		315	1	08/15/12	08/15/12
Acenaphthylene (208-96-8)	U		315	"	"	"
Acetophenone (98-86-2)	U		788	"	"	"
Anthracene (120-12-7)	455		315	"	"	"
Atrazine (1912-24-9)	U		788	"	"	"
Benzaldehyde (100-52-7)	U		788	"	"	"
Benzoic acid (65-85-0)	U		1,580	"	"	"
Benzo (a) anthracene (56-55-3)	U		788	"	"	"
Benzo (a) pyrene (50-32-8)	U		788	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		788	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		788	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		788	"	"	"
Benzyl alcohol (100-51-6)	U		788	"	"	"
1,1'-Biphenyl (92-52-4)	1,710		788	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		788	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		788	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		788	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		788	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		788	"	"	"
Butyl benzyl phthalate (85-68-7)	U		788	"	"	"
Carbazole (86-74-8)	U		788	"	"	"
Caprolactam (105-60-2)	U		788	"	"	"
4-Chloroaniline (106-47-8)	U		788	"	"	"



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208006-06

Station ID: DSE-03-48-413

Batch: B2H1403

Date Collected: 08/09/12

Sample Type: Solid

Sample Wt: 10.281g

Sample Qualifiers:

%Solids: 61.72

Targets (Continued)

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chloronaphthalene (91-58-7)	U		788	1	08/15/12	08/15/12
2-Chlorophenol (95-57-8)	U		788	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		788	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		788	"	"	"
Chrysene (218-01-9)	U		788	"	"	"
Dibenzofuran (132-64-9)	913		788	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		788	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		788	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		788	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		788	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		788	"	"	"
2,4-Dichlorophenol (120-83-2)	U		788	"	"	"
Diethyl phthalate (84-66-2)	U		788	"	"	"
2,4-Dimethylphenol (105-67-9)	U		788	"	"	"
Dimethyl phthalate (131-11-3)	U		788	"	"	"
2,4-Dinitrophenol (51-28-5)	U		3,150	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		788	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		788	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		3,150	"	"	"
Di-n-butyl phthalate (84-74-2)	U		788	"	"	"
Di-n-octyl phthalate (117-84-0)	U		788	"	"	"
Fluoranthene (206-44-0)	520		315	"	"	"
Fluorene (86-73-7)	2,630		315	"	"	"
Hexachlorobenzene (118-74-1)	U		788	"	"	"
Hexachlorobutadiene (87-68-3)	U		788	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		788	"	"	"
Hexachloroethane (67-72-1)	U		788	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		788	"	"	"
Isophorone (78-59-1)	U		788	"	"	"
2-Methylnaphthalene (91-57-6)	21,800		3,150	10	"	08/15/12
2-Methylphenol (95-48-7)	U		788	1	"	08/15/12
3 &/or 4-Methylphenol (106-44-5)	U		788	"	"	"
Naphthalene (91-20-3)	5,190		3,150	10	"	08/15/12
2-Nitroaniline (88-74-4)	U		1,260	1	"	08/15/12
3-Nitroaniline (99-09-2)	U		1,260	"	"	"



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Semivolatiles by CLP OLM04.2 - GC/MS

Lab ID: 1208006-06

Station ID: DSE-03-48-413

Batch: B2H1403

Date Collected: 08/09/12

Sample Type: Solid

Sample Wt: 10.281g

Sample Qualifiers:

%Solids: 61.72

Targets (Continued)

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Nitroaniline (100-01-6)	U		1,260	1	08/15/12	08/15/12
Nitrobenzene (98-95-3)	U		788	"	"	"
2-Nitrophenol (88-75-5)	U		788	"	"	"
4-Nitrophenol (100-02-7)	U		2,050	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		788	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		788	"	"	"
Pentachlorophenol (87-86-5)	U		788	"	"	"
Phenanthrene (85-01-8)	4,930		315	"	"	"
Phenol (108-95-2)	U		788	"	"	"
Pyrene (129-00-0)	701		315	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		788	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		788	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		788	"	"	"

BJS



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Pesticide/PCB by OLM04.2 - GC/ECD

Lab ID: 1208006-06

Station ID: DSE-03-48-413

Batch: B2H1404

Sample Type: Solid

Date Collected: 08/09/12

Sample Wt: 10.071g

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg (dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: Tetrachloro-meta-xylene	26.1		65.0	41-112	08/15/12	08/23/12
Surr: Decachlorobiphenyl	33.8		84.1	49-122	"	"

Targets

Analyte (CAS Number)	Result µg/kg (dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aldrin (309-00-2)	U		1.61	1	08/15/12	08/16/12
alpha-BHC (319-84-6)	U		1.61	"	"	08/23/12
beta-BHC (319-85-7)	U		1.61	"	"	"
delta-BHC (319-86-8)	U		1.61	"	"	"
gamma-BHC (Lindane) (58-89-9)	U		1.61	"	"	"
4,4'-DDD (72-54-8)	U		1.61	"	"	"
4,4'-DDE (72-55-9)	U		1.61	"	"	"
4,4'-DDT (50-29-3)	U	RL	4.83	"	"	"
Dieldrin (60-57-1)	U		1.61	"	"	08/16/12
Endosulfan I (959-98-8)	U		1.61	"	"	"
Endosulfan II (33213-65-9)	U		1.61	"	"	"
Endosulfan sulfate (1031-07-8)	U		1.61	"	"	"
Endrin (72-20-8)	U	RL	2.41	"	"	"
Endrin aldehyde (7421-93-4)	U	RL	3.22	"	"	"
Endrin ketone (53494-70-5)	U		1.61	"	"	"
Heptachlor (76-44-8)	U		1.61	"	"	08/23/12
Heptachlor epoxide (1024-57-3)	U		1.61	"	"	08/16/12
Methoxychlor (72-43-5)	U	RL	9.65	"	"	"
alpha-Chlordane (5103-71-9)	U		1.61	"	"	08/23/12
gamma-Chlordane (5103-74-2)	U		1.61	"	"	"
Toxaphene (8001-35-2)	U		48.3	"	"	08/16/12
Aroclor-1016 (12674-11-2)	U		32.2	"	"	08/23/12
Aroclor-1221 (11104-28-2)	U		64.4	"	"	"
Aroclor-1232 (11141-16-5)	U		32.2	"	"	"
Aroclor-1242 (53469-21-9)	U		32.2	"	"	"
Aroclor-1248 (12672-29-6)	U		32.2	"	"	"
Aroclor-1254 (11097-69-1)	259		32.2	"	"	08/23/12
Aroclor-1260 (11096-82-5)	44.6	J	32.2	"	"	08/23/12

LW



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208006-06

Batch: B2H2204

Sample Type: Solid

Station ID: DSE-03-48-413

Date Collected: 08/09/12

Sample Wt: 0.577g

%Solids: 61.72

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	9,730		14.0	1	08/22/12	09/04/12
Barium (7440-39-3)	1,390		1.4	"	"	"
Beryllium (7440-41-7)	0.8		0.7	"	"	"
Cadmium (7440-43-9)	0.7		0.7	"	"	"
Calcium (7440-70-2)	9,550		21.1	"	"	"
Chromium (7440-47-3)	25.9		1.4	"	"	"
Cobalt (7440-48-4)	12.7		2.8	"	"	"
Copper (7440-50-8)	34.8		2.8	"	"	"
Iron (7439-89-6)	20,300		3.5	"	"	"
Magnesium (7439-95-4)	5,180		21.1	"	"	"
Manganese (7439-96-5)	541		0.7	"	"	"
Nickel (7440-02-2)	26.7		2.8	"	"	"
Potassium (7440-09-7)	1,740		140	"	"	"
Silver (7440-22-4)	U		1.4	"	"	"
Sodium (7440-23-5)	797		70.2	"	"	"
Vanadium (7440-62-2)	24.2		2.8	"	"	"
Zinc (7440-66-6)	281		2.8	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208006-06

Batch: B2H2205

Sample Type: Solid

Station ID: DSE-03-48-413

Date Collected: 08/09/12

Sample Wt: 0.577g

%Solids: 61.72

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		1.4	20	"	09/04/12
Arsenic (7440-38-2)	26.6		1.4	"	"	"
Lead (7439-92-1)	151		1.4	"	"	"
Selenium (7782-49-2)	5.8		1.4	"	"	"
Thallium (7440-28-0)	U		1.4	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208006-06

Batch: B2H2206

Sample Type: Solid

Date Collected: 08/09/12

Sample Wt: 0.161g

%Solids: 61.72

Station ID: DSE-03-48-413

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	0.207		0.081	1	08/22/12	08/23/12 sm

Metals by CLP ILMO5.3 - ICP

Lab ID: 1208006-07

Batch: B2H2204

Sample Type: Solid

Date Collected: 08/09/12

Sample Wt: 0.545g

%Solids: 42.25

Station ID: MPC-01-03-611

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	12,000		21.7	1	08/22/12	09/04/12
Barium (7440-39-3)	289		2.2	"	"	"
Beryllium (7440-41-7)	1.1		1.1	"	"	"
Cadmium (7440-43-9)	U		1.1	"	"	"
Calcium (7440-70-2)	8,280		32.6	"	"	"
Chromium (7440-47-3)	13.2		2.2	"	"	"
Cobalt (7440-48-4)	10.7		4.3	"	"	"
Copper (7440-50-8)	23.5		4.3	"	"	"
Iron (7439-89-6)	18,900		5.4	"	"	"
Magnesium (7439-95-4)	6,890		32.6	"	"	"
Manganese (7439-96-5)	444		1.1	"	"	"
Nickel (7440-02-2)	26.1		4.3	"	"	"
Potassium (7440-09-7)	2,290		217	"	"	"
Silver (7440-22-4)	U		2.2	"	"	"
Sodium (7440-23-5)	1,290		109	"	"	"
Vanadium (7440-62-2)	34.0		4.3	"	"	"
Zinc (7440-66-6)	74.7		4.3	"	"	"

ts



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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208006-07

Batch: B2H2205

Sample Type: Solid

Station ID: MPC-01-03-611

Date Collected: 08/09/12

Sample Wt: 0.545g

%Solids: 42.25

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.2	20	08/22/12	09/04/12
Arsenic (7440-38-2)	6.2		2.2	"	"	"
Lead (7439-92-1)	19.9		2.2	"	"	"
Selenium (7782-49-2)	U		2.2	"	"	"
Thallium (7440-28-0)	U		2.2	"	"	"

KD

Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208006-07

Batch: B2H2206

Sample Type: Solid

Station ID: MPC-01-03-611

Date Collected: 08/09/12

Sample Wt: 0.153g

%Solids: 42.25

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.124	1	08/22/12	08/23/12

sm



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208006-08

Batch: B2H2002

Sample Type: Liquid

Station ID: BLC-02-00-111

Date Collected: 08/09/12

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	210		100	1	08/20/12	08/29/12
Barium (7440-39-3)	75.2		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	23,400		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	456		25.0	"	"	"
Magnesium (7439-95-4)	10,400		150	"	"	"
Manganese (7439-96-5)	143		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	3,570		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	34,800		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208006-08

Batch: B2H2003

Sample Type: Liquid

Station ID: BLC-02-00-111

Date Collected: 08/09/12

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.0	4	08/20/12	08/31/12
Arsenic (7440-38-2)	2.8		2.0	"	"	"
Lead (7439-92-1)	U		2.0	"	"	"
Selenium (7782-49-2)	U		2.0	"	"	"
Thallium (7440-28-0)	U		2.0	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208006-08

Batch: B2H2404

Sample Type: Liquid

Station ID: BLC-02-00-111

Date Collected: 08/09/12

Sample Vol: 25ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	08/24/12	08/24/12 sm

Metals by CLP ILMO5.3 - ICP

Lab ID: 1208006-09

Batch: B2H2002

Sample Type: Liquid

Station ID: BLC-01-00-111

Date Collected: 08/09/12

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	150		100	1	08/20/12	08/29/12
Barium (7440-39-3)	75.2		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	23,700		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	498		25.0	"	"	"
Magnesium (7439-95-4)	10,400		150	"	"	"
Manganese (7439-96-5)	148		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	3,620		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	35,800		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

ts



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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208006-09

Batch: B2H2003

Sample Type: Liquid

Station ID: BLC-01-00-111

Date Collected: 08/09/12

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.0	4	08/20/12	08/31/12
Arsenic (7440-38-2)	2.7		2.0	"	"	"
Lead (7439-92-1)	U		2.0	"	"	"
Selenium (7782-49-2)	U		2.0	"	"	"
Thallium (7440-28-0)	U		2.0	"	"	"

KD

Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208006-09

Batch: B2H2404

Sample Type: Liquid

Station ID: BLC-01-00-111

Date Collected: 08/09/12

Sample Vol: 25ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	08/24/12	08/24/12

sm



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208006-10

Batch: B2H2002

Sample Type: Liquid

Station ID: CC-04-00-112

Date Collected: 08/09/12

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	364		100	1	08/20/12	08/29/12
Barium (7440-39-3)	153		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	24,100		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	797		25.0	"	"	"
Magnesium (7439-95-4)	10,400		150	"	"	"
Manganese (7439-96-5)	149		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	3,710		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	34,400		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208006-10

Batch: B2H2003

Sample Type: Liquid

Station ID: CC-04-00-112

Date Collected: 08/09/12

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.0	4	08/20/12	08/31/12
Arsenic (7440-38-2)	2.2		2.0	"	"	"
Lead (7439-92-1)	U		2.0	"	"	"
Selenium (7782-49-2)	U		2.0	"	"	"
Thallium (7440-28-0)	U		2.0	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208006-10

Batch: B2H2404

Sample Type: Liquid

Station ID: CC-04-00-112

Date Collected: 08/09/12

Sample Vol: 25ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	08/24/12	08/24/12 sm

Metals by CLP ILMO5.3 - ICP

Lab ID: 1208006-11

Batch: B2H2002

Sample Type: Liquid

Station ID: CC-04-00-122

Date Collected: 08/09/12

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	319	J	100	1	08/20/12	08/29/12
Barium (7440-39-3)	118		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	23,500		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	706		25.0	"	"	"
Magnesium (7439-95-4)	10,100		150	"	"	"
Manganese (7439-96-5)	142		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	3,600		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	33,600		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

ts



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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208006-11

Batch: B2H2003

Sample Type: Liquid

Station ID: CC-04-00-122

Date Collected: 08/09/12

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.0	4	08/20/12	08/31/12
Arsenic (7440-38-2)	2.3		2.0	"	"	"
Lead (7439-92-1)	U		2.0	"	"	"
Selenium (7782-49-2)	U		2.0	"	"	"
Thallium (7440-28-0)	U		2.0	"	"	"

KD

Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208006-11

Batch: B2H2404

Sample Type: Liquid

Station ID: CC-04-00-122

Date Collected: 08/09/12

Sample Vol: 25ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	08/24/12	08/24/12

sm



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208006-12

Batch: B2H2002

Sample Type: Liquid

Station ID: CC-01-00-111

Date Collected: 08/09/12

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	317		100	1	08/20/12	08/29/12
Barium (7440-39-3)	103		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	25,200		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	551		25.0	"	"	"
Magnesium (7439-95-4)	11,900		150	"	"	"
Manganese (7439-96-5)	114		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	4,330		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	50,700		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208006-12

Batch: B2H2003

Sample Type: Liquid

Station ID: CC-01-00-111

Date Collected: 08/09/12

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.0	4	08/20/12	08/31/12
Arsenic (7440-38-2)	2.8		2.0	"	"	"
Lead (7439-92-1)	U		2.0	"	"	"
Selenium (7782-49-2)	U		2.0	"	"	"
Thallium (7440-28-0)	U		2.0	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208006-12

Batch: B2H2404

Sample Type: Liquid

Station ID: CC-01-00-111

Date Collected: 08/09/12

Sample Vol: 25ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	08/24/12	08/24/12 sm

Metals by CLP ILMO5.3 - ICP

Lab ID: 1208006-13

Batch: B2H2002

Sample Type: Liquid

Station ID: CC-02-00-112

Date Collected: 08/09/12

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	587		100	1	08/20/12	08/29/12
Barium (7440-39-3)	228		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	24,300		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	947		25.0	"	"	"
Magnesium (7439-95-4)	10,800		150	"	"	"
Manganese (7439-96-5)	141		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	3,850		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	38,400		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

ts



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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208006-13

Batch: B2H2003

Sample Type: Liquid

Station ID: CC-02-00-112

Date Collected: 08/09/12

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.0	4	08/20/12	08/31/12
Arsenic (7440-38-2)	2.5		2.0	"	"	"
Lead (7439-92-1)	U		2.0	"	"	"
Selenium (7782-49-2)	U		2.0	"	"	"
Thallium (7440-28-0)	U		2.0	"	"	"

KD

Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208006-13

Batch: B2H2404

Sample Type: Liquid

Station ID: CC-02-00-112

Date Collected: 08/09/12

Sample Vol: 25ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	08/24/12	08/24/12

sm



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208006-14

Batch: B2H2002

Sample Type: Liquid

Station ID: CC-03-00-112

Date Collected: 08/09/12

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	375		100	1	08/20/12	08/29/12
Barium (7440-39-3)	139		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	23,800		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	716		25.0	"	"	"
Magnesium (7439-95-4)	10,500		150	"	"	"
Manganese (7439-96-5)	133		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	3,760		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	36,500		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208006-14

Batch: B2H2003

Sample Type: Liquid

Station ID: CC-03-00-112

Date Collected: 08/09/12

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.0	4	08/20/12	08/31/12
Arsenic (7440-38-2)	2.5		2.0	"	"	"
Lead (7439-92-1)	U		2.0	"	"	"
Selenium (7782-49-2)	U		2.0	"	"	"
Thallium (7440-28-0)	U		2.0	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208006-14

Batch: B2H2404

Sample Type: Liquid

Station ID: CC-03-00-112

Date Collected: 08/09/12

Sample Vol: 25ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	08/24/12	08/24/12 sm

Metals by CLP ILMO5.3 - ICP

Lab ID: 1208007-01

Batch: B2H2002

Sample Type: Liquid

Station ID: MPC-01-00-111

Date Collected: 08/09/12

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	293		100	1	08/20/12	08/29/12
Barium (7440-39-3)	74.6		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	24,100		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	500		25.0	"	"	"
Magnesium (7439-95-4)	10,400		150	"	"	"
Manganese (7439-96-5)	136		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	3,620		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	34,700		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

ts



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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208007-01

Batch: B2H2003

Sample Type: Liquid

Station ID: MPC-01-00-111

Date Collected: 08/09/12

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.0	4	08/20/12	08/31/12
Arsenic (7440-38-2)	2.6		2.0	"	"	"
Lead (7439-92-1)	U		2.0	"	"	"
Selenium (7782-49-2)	U		2.0	"	"	"
Thallium (7440-28-0)	U		2.0	"	"	"

KD

Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208007-01

Batch: B2H2404

Sample Type: Liquid

Station ID: MPC-01-00-111

Date Collected: 08/09/12

Sample Vol: 25ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	08/24/12	08/24/12

sm



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208007-02

Batch: B2H2002

Sample Type: Liquid

Station ID: BLC-03-00-112

Date Collected: 08/09/12

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	352		100	1	08/20/12	08/29/12
Barium (7440-39-3)	78.6		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	24,300		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	562		25.0	"	"	"
Magnesium (7439-95-4)	10,600		150	"	"	"
Manganese (7439-96-5)	142		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	3,680		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	35,600		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208007-02

Batch: B2H2003

Sample Type: Liquid

Station ID: BLC-03-00-112

Date Collected: 08/09/12

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.0	4	08/20/12	08/31/12
Arsenic (7440-38-2)	2.1		2.0	"	"	"
Lead (7439-92-1)	U		2.0	"	"	"
Selenium (7782-49-2)	U		2.0	"	"	"
Thallium (7440-28-0)	U		2.0	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208007-02

Batch: B2H2404

Sample Type: Liquid

Station ID: BLC-03-00-112

Date Collected: 08/09/12

Sample Vol: 25ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	08/24/12	08/24/12 sm

Metals by CLP ILMO5.3 - ICP

Lab ID: 1208007-03

Batch: B2H2204

Sample Type: Solid

Station ID: CC-04-03-612

Date Collected: 08/09/12

Sample Wt: 0.543g

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	10,400		23.9	1	08/22/12	09/04/12
Barium (7440-39-3)	748		2.4	"	"	"
Beryllium (7440-41-7)	U		1.2	"	"	"
Cadmium (7440-43-9)	U		1.2	"	"	"
Calcium (7440-70-2)	7,440		35.9	"	"	"
Chromium (7440-47-3)	14.2		2.4	"	"	"
Cobalt (7440-48-4)	10.1		4.8	"	"	"
Copper (7440-50-8)	24.4		4.8	"	"	"
Iron (7439-89-6)	22,500		6.0	"	"	"
Magnesium (7439-95-4)	5,380		35.9	"	"	"
Manganese (7439-96-5)	432		1.2	"	"	"
Nickel (7440-02-2)	26.2		4.8	"	"	"
Potassium (7440-09-7)	2,260		239	"	"	"
Silver (7440-22-4)	U		2.4	"	"	"
Sodium (7440-23-5)	1,200		120	"	"	"
Vanadium (7440-62-2)	28.8		4.8	"	"	"
Zinc (7440-66-6)	159		4.8	"	"	"

ts



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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208007-03

Batch: B2H2205

Sample Type: Solid

Date Collected: 08/09/12

Sample Wt: 0.543g

%Solids: 38.53

Station ID: CC-04-03-612

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.4	20	08/22/12	09/04/12
Arsenic (7440-38-2)	8.7		2.4	"	"	"
Lead (7439-92-1)	34.3		2.4	"	"	"
Selenium (7782-49-2)	U		2.4	"	"	"
Thallium (7440-28-0)	U		2.4	"	"	"

KD

Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208007-03

Batch: B2H2206

Sample Type: Solid

Date Collected: 08/09/12

Sample Wt: 0.147g

%Solids: 38.53

Station ID: CC-04-03-612

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.141	1	08/22/12	08/23/12

sm



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208007-04

Batch: B2H2204

Sample Type: Solid

Station ID: CC-04-03-622

Date Collected: 08/09/12

Sample Wt: 0.55g

%Solids: 39.22

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	9,260		23.2	1	08/22/12	09/04/12
Barium (7440-39-3)	2,680		2.3	"	"	"
Beryllium (7440-41-7)	U		1.2	"	"	"
Cadmium (7440-43-9)	U		1.2	"	"	"
Calcium (7440-70-2)	6,370		34.8	"	"	"
Chromium (7440-47-3)	17.6		2.3	"	"	"
Cobalt (7440-48-4)	13.4		4.6	"	"	"
Copper (7440-50-8)	38.9		4.6	"	"	"
Iron (7439-89-6)	18,000		5.8	"	"	"
Magnesium (7439-95-4)	4,880		34.8	"	"	"
Manganese (7439-96-5)	473		1.2	"	"	"
Nickel (7440-02-2)	23.3		4.6	"	"	"
Potassium (7440-09-7)	1,750		232	"	"	"
Silver (7440-22-4)	U		2.3	"	"	"
Sodium (7440-23-5)	864		116	"	"	"
Vanadium (7440-62-2)	24.1		4.6	"	"	"
Zinc (7440-66-6)	267		4.6	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208007-04

Batch: B2H2205

Sample Type: Solid

Station ID: CC-04-03-622

Date Collected: 08/09/12

Sample Wt: 0.55g

%Solids: 39.22

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.3	20	"	09/04/12
Arsenic (7440-38-2)	10.0		2.3	"	"	"
Lead (7439-92-1)	55.9		2.3	"	"	"
Selenium (7782-49-2)	U		2.3	"	"	"
Thallium (7440-28-0)	U		2.3	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208007-04

Batch: B2H2206

Sample Type: Solid

Date Collected: 08/09/12

Sample Wt: 0.164g

%Solids: 39.22

Station ID: CC-04-03-622

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	0.137		0.124	1	08/22/12	08/23/12 sm

Metals by CLP ILMO5.3 - ICP

Lab ID: 1208007-05

Batch: B2H2204

Sample Type: Solid

Date Collected: 08/09/12

Sample Wt: 0.525g

%Solids: 34.41

Station ID: CC-03-03-612

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	11,900		27.7	1	08/22/12	09/04/12
Barium (7440-39-3)	3,240		2.8	"	"	"
Beryllium (7440-41-7)	U		1.4	"	"	"
Cadmium (7440-43-9)	U		1.4	"	"	"
Calcium (7440-70-2)	7,260		41.5	"	"	"
Chromium (7440-47-3)	25.9		2.8	"	"	"
Cobalt (7440-48-4)	14.9		5.5	"	"	"
Copper (7440-50-8)	63.7		5.5	"	"	"
Iron (7439-89-6)	21,800		6.9	"	"	"
Magnesium (7439-95-4)	5,970		41.5	"	"	"
Manganese (7439-96-5)	478		1.4	"	"	"
Nickel (7440-02-2)	26.2		5.5	"	"	"
Potassium (7440-09-7)	2,180		277	"	"	"
Silver (7440-22-4)	U		2.8	"	"	"
Sodium (7440-23-5)	1,240		138	"	"	"
Vanadium (7440-62-2)	30.6		5.5	"	"	"
Zinc (7440-66-6)	360		5.5	"	"	"

ts



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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208007-05

Batch: B2H2205

Sample Type: Solid

Station ID: CC-03-03-612

Date Collected: 08/09/12

Sample Wt: 0.525g

%Solids: 34.41

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.8	20	08/22/12	09/04/12
Arsenic (7440-38-2)	10.6		2.8	"	"	"
Lead (7439-92-1)	81.8		2.8	"	"	"
Selenium (7782-49-2)	U		2.8	"	"	"
Thallium (7440-28-0)	U		2.8	"	"	"

KD

Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208007-05

Batch: B2H2206

Sample Type: Solid

Station ID: CC-03-03-612

Date Collected: 08/09/12

Sample Wt: 0.161g

%Solids: 34.41

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	0.201		0.144	1	08/22/12	08/23/12

sm



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1208007-06

Batch: B2H2204

Sample Type: Solid

Station ID: CC-02-03-612

Date Collected: 08/09/12

Sample Wt: 0.523g

%Solids: 40.55

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	8,850		23.6	1	08/22/12	09/04/12
Barium (7440-39-3)	1,830		2.4	"	"	"
Beryllium (7440-41-7)	U		1.2	"	"	"
Cadmium (7440-43-9)	1.2		1.2	"	"	"
Calcium (7440-70-2)	7,960		35.4	"	"	"
Chromium (7440-47-3)	105		2.4	"	"	"
Cobalt (7440-48-4)	13.6		4.7	"	"	"
Copper (7440-50-8)	75.9		4.7	"	"	"
Iron (7439-89-6)	27,100		5.9	"	"	"
Magnesium (7439-95-4)	4,160		35.4	"	"	"
Manganese (7439-96-5)	402		1.2	"	"	"
Nickel (7440-02-2)	32.1		4.7	"	"	"
Potassium (7440-09-7)	1,530		236	"	"	"
Silver (7440-22-4)	U		2.4	"	"	"
Sodium (7440-23-5)	864		118	"	"	"
Vanadium (7440-62-2)	27.1		4.7	"	"	"
Zinc (7440-66-6)	567		4.7	"	"	"

ts

Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208007-06

Batch: B2H2205

Sample Type: Solid

Station ID: CC-02-03-612

Date Collected: 08/09/12

Sample Wt: 0.523g

%Solids: 40.55

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.4	20	"	09/04/12
Arsenic (7440-38-2)	15.4		2.4	"	"	"
Lead (7439-92-1)	89.6		2.4	"	"	"
Selenium (7782-49-2)	U		2.4	"	"	"
Thallium (7440-28-0)	U		2.4	"	"	"

KD



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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208007-06

Batch: B2H2206

Sample Type: Solid

Date Collected: 08/09/12

Sample Wt: 0.155g

%Solids: 40.55

Station ID: CC-02-03-612

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	0.342		0.127	1	08/22/12	08/23/12 sm

Metals by CLP ILMO5.3 - ICP

Lab ID: 1208007-07

Batch: B2H2204

Sample Type: Solid

Date Collected: 08/09/12

Sample Wt: 0.519g

%Solids: 53.39

Station ID: CC-01-03-611

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	15,500		18.0	1	08/22/12	09/04/12
Barium (7440-39-3)	191		1.8	"	"	"
Beryllium (7440-41-7)	1.3		0.9	"	"	"
Cadmium (7440-43-9)	U		0.9	"	"	"
Calcium (7440-70-2)	5,450		27.1	"	"	"
Chromium (7440-47-3)	9.8		1.8	"	"	"
Cobalt (7440-48-4)	19.8		3.6	"	"	"
Copper (7440-50-8)	23.9		3.6	"	"	"
Iron (7439-89-6)	44,100		4.5	"	"	"
Magnesium (7439-95-4)	6,980		27.1	"	"	"
Manganese (7439-96-5)	412		0.9	"	"	"
Nickel (7440-02-2)	31.8		3.6	"	"	"
Potassium (7440-09-7)	2,240		180	"	"	"
Silver (7440-22-4)	U J		1.8	"	"	"
Sodium (7440-23-5)	1,180		90.2	"	"	"
Vanadium (7440-62-2)	36.2		3.6	"	"	"
Zinc (7440-66-6)	80.9		3.6	"	"	"

ts



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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1208007-07

Batch: B2H2205

Sample Type: Solid

Station ID: CC-01-03-611

Date Collected: 08/09/12

Sample Wt: 0.519g

%Solids: 53.39

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U	J	1.8	20	08/22/12	09/04/12
Arsenic (7440-38-2)	24.0		1.8	"	"	"
Lead (7439-92-1)	20.9		1.8	"	"	"
Selenium (7782-49-2)	U		1.8	"	"	"
Thallium (7440-28-0)	U		1.8	"	"	"

KD

Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1208007-07

Batch: B2H2206

Sample Type: Solid

Station ID: CC-01-03-611

Date Collected: 08/09/12

Sample Wt: 0.152g

%Solids: 53.39

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.099	1	08/22/12	08/23/12

sm



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Percent Solids - Quality Control

Duplicate (B2H0801-DUP1)

Source: 1208003-06

Prepared: 8/8/2012 Analyzed: 8/9/2012

Targets

ANALYTE	Result %	Analyte Reporting Qualifiers	Spike Limit	Source Level	Result	RPD	RPD Limit
% Solids	75.53				71.51	5.46	20



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Phone:(281)983-2100 Fax:(281)983-2248

Percent Solids - Quality Control

Duplicate (B2H0907-DUP1)

Source: 1208005-18

Prepared: 8/9/2012 Analyzed: 8/10/2012

Targets

ANALYTE	Result	Analyte	Reporting	Spike	Source	RPD	RPD
	%	Qualifiers	Limit	Level	Result	Limit	Limit
% Solids	57.77				57.84	0.11	20

Duplicate (B2H0907-DUP2)

Source: 1208005-20

Prepared: 8/9/2012 Analyzed: 8/10/2012

Targets

ANALYTE	Result	Analyte	Reporting	Spike	Source	RPD	RPD
	%	Qualifiers	Limit	Level	Result	Limit	Limit
% Solids	58.43				59.58	1.95	20



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Percent Solids - Quality Control

Duplicate (B2H1402-DUP1)

Source: 1208006-07

Prepared: 8/14/2012 Analyzed: 8/15/2012

Targets

ANALYTE	Result %	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	RPD RPD Limit
% Solids	44.21				42.25	4.53 20

Duplicate (B2H1402-DUP2)

Source: 1208007-07

Prepared: 8/14/2012 Analyzed: 8/15/2012

Targets

ANALYTE	Result %	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	RPD RPD Limit
% Solids	51.94				53.39	2.77 20



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Volatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H0905

Sample Type: Solid

Blank (B2H0905-BLK1)

Prepared: 8/9/2012 Analyzed: 8/9/2012

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	% REC	% REC Limits
<i>Surr: 1,2-Dichloroethane-d4</i>	48.7		50.0	97.4	82-120
<i>Surr: Toluene-d8</i>	47.3		50.0	94.6	81-116
<i>Surr: 4-Bromofluorobenzene</i>	48.2		50.0	96.5	80-116

Blank (B2H0905-BLK1)

Prepared: 8/9/2012 Analyzed: 8/9/2012

Targets

ANALYTE	Result µg/kg	Analyte Reporting Qualifiers	Limit
Dichlorodifluoromethane	U		250
Chloromethane	U		250
Vinyl chloride	U		100
Bromomethane	U		250
Chloroethane	U		100
Trichlorofluoromethane	U		100
1,1-Dichloroethene	U		100
Carbon disulfide	U		100
1,1,2-Trichloro-1,2,2-trifluoroethane	U		100
Acetone	U		500
Methylene chloride	U		100
Methyl acetate	U		250
trans-1,2-Dichloroethene	U		100
cis-1,2-Dichloroethene	U		100
Methyl tert-butyl ether	U		100
1,1-Dichloroethane	U		100
2-Butanone	U		250
Chloroform	U		100
1,2-Dichloroethane	U		100



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Volatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H0905

Sample Type: Solid

Blank (B2H0905-BLK1)

Prepared: 8/9/2012 Analyzed: 8/9/2012

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Reporting Qualifiers	Limit
1,1,1-Trichloroethane	U		100
Cyclohexane	U		100
Carbon tetrachloride	U		100
Benzene	U		100
Trichloroethene	U		100
Methylcyclohexane	U		100
1,2-Dichloropropane	U		100
Bromodichloromethane	U		100
cis-1,3-Dichloropropene	U		100
trans-1,3-Dichloropropene	U		100
1,1,2-Trichloroethane	U		100
Dibromochloromethane	U		100
Bromoform	U		100
4-Methyl-2-pentanone	U		250
Toluene	U		100
Tetrachloroethene	U		100
2-Hexanone	U		250
1,2-Dibromoethane	U		100
Chlorobenzene	U		100
Ethylbenzene	U		100
meta-/para-Xylene	U		200
ortho-Xylene	U		100
Styrene	U		100
Isopropylbenzene	U		100
1,1,2,2-Tetrachloroethane	U		100
1,3-Dichlorobenzene	U		100
1,4-Dichlorobenzene	U		100
1,2-Dichlorobenzene	U		100
1,2-Dibromo-3-chloropropane	U		250



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Volatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H0905

Sample Type: Solid

Blank (B2H0905-BLK1)

Prepared: 8/9/2012 Analyzed: 8/9/2012

Targets (Continued)

ANALYTE	Result μg/kg	Analyte Reporting Qualifiers	Limit
1,2,4-Trichlorobenzene	U		250

Blank (B2H0905-BLK2)

Prepared: 8/10/2012 Analyzed: 8/10/2012

Surrogates

ANALYTE	Result μg/l	Analyte Qualifier	Spike Level	% REC	% REC Limits
<i>Surr: 1,2-Dichloroethane-d4</i>	50.5		50.0	101	82-120
<i>Surr: Toluene-d8</i>	49.1		50.0	98.2	81-116
<i>Surr: 4-Bromofluorobenzene</i>	50.7		50.0	101	80-116

Blank (B2H0905-BLK2)

Prepared: 8/10/2012 Analyzed: 8/10/2012

Targets

ANALYTE	Result μg/kg	Analyte Reporting Qualifiers	Limit
Dichlorodifluoromethane	U		250
Chloromethane	U		250
Vinyl chloride	U		99.9
Bromomethane	U		250
Chloroethane	U		99.9
Trichlorofluoromethane	U		99.9
1,1-Dichloroethene	U		99.9
Carbon disulfide	U		99.9
1,1,2-Trichloro-1,2,2-trifluoroethane	U		99.9
Acetone	U		500
Methylene chloride	U		99.9



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Volatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H0905

Sample Type: Solid

Blank (B2H0905-BLK2)

Prepared: 8/10/2012 Analyzed: 8/10/2012

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Reporting Qualifiers	Limit
Methyl acetate	U		250
trans-1,2-Dichloroethene	U		99.9
cis-1,2-Dichloroethene	U		99.9
Methyl tert-butyl ether	U		99.9
1,1-Dichloroethane	U		99.9
2-Butanone	U		250
Chloroform	U		99.9
1,2-Dichloroethane	U		99.9
1,1,1-Trichloroethane	U		99.9
Cyclohexane	U		99.9
Carbon tetrachloride	U		99.9
Benzene	U		99.9
Trichloroethene	U		99.9
Methylcyclohexane	U		99.9
1,2-Dichloropropane	U		99.9
Bromodichloromethane	U		99.9
cis-1,3-Dichloropropene	U		99.9
trans-1,3-Dichloropropene	U		99.9
1,1,2-Trichloroethane	U		99.9
Dibromochloromethane	U		99.9
Bromoform	U		99.9
4-Methyl-2-pentanone	U		250
Toluene	U		99.9
Tetrachloroethene	U		99.9
2-Hexanone	U		250
1,2-Dibromoethane	U		99.9
Chlorobenzene	U		99.9
Ethylbenzene	U		99.9
meta-/para-Xylene	U		200



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Volatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H0905

Sample Type: Solid

Blank (B2H0905-BLK2)

Prepared: 8/10/2012 Analyzed: 8/10/2012

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Reporting Qualifiers	Limit
ortho-Xylene	U		99.9
Styrene	U		99.9
Isopropylbenzene	U		99.9
1,1,2,2-Tetrachloroethane	U		99.9
1,3-Dichlorobenzene	U		99.9
1,4-Dichlorobenzene	U		99.9
1,2-Dichlorobenzene	U		99.9
1,2-Dibromo-3-chloropropane	U		250
1,2,4-Trichlorobenzene	U		250

LCS (B2H0905-BS1)

Prepared: 8/9/2012 Analyzed: 8/9/2012

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
<i>Surr:</i> 1,2-Dichloroethane-d4	49.0		50.0	98.0	82-120
<i>Surr:</i> Toluene-d8	46.8		50.0	93.7	81-116
<i>Surr:</i> 4-Bromofluorobenzene	49.0		50.0	98.0	80-116

LCS (B2H0905-BS1)

Prepared: 8/9/2012 Analyzed: 8/9/2012

Targets

ANALYTE	Result µg/kg	Analyte Reporting Qualifiers	Spike Limit	%REC	%REC Limits
Dichlorodifluoromethane	799		250 2,500	32.0 #	39-124
Chloromethane	1,540		250 2,500	61.8	36-152
Vinyl chloride	1,850		100 2,500	74.2	34-138
Bromomethane	1,610		250 2,500	64.3	35-127



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Volatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H0905

Sample Type: Solid

LCS (B2H0905-BS1)

Prepared: 8/9/2012 Analyzed: 8/9/2012

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	
					%REC	Limits
Chloroethane	1,390		100	2,500	55.8	51-148
Trichlorofluoromethane	2,540		100	2,500	102	18-136
1,1-Dichloroethene	3,130		100	2,500	125	55-160
Carbon disulfide	2,520		100	2,500	101	60-142
1,1,2-Trichloro-1,2,2-trifluoroethane	3,290		100	2,500	132	67-148
Acetone	2,860		500	2,500	114	46-138
Methylene chloride	2,760		100	2,500	111	72-151
Methyl acetate	2,460		250	2,500	98.3	67-161
trans-1,2-Dichloroethene	3,020		100	2,500	121	61-153
cis-1,2-Dichloroethene	2,660		100	2,500	106	66-137
Methyl tert-butyl ether	2,420		100	2,500	96.8	82-137
1,1-Dichloroethane	2,970		100	2,500	119	68-141
2-Butanone	2,680		250	2,500	107	38-147
Chloroform	2,910		100	2,500	117	78-136
1,2-Dichloroethane	2,770		100	2,500	111	73-141
1,1,1-Trichloroethane	3,180		100	2,500	127	77-136
Cyclohexane	3,660		100	2,500	146	# 62-142
Carbon tetrachloride	3,180		100	2,500	127	73-136
Benzene	3,020		100	2,500	121	63-141
Trichloroethene	3,140		100	2,500	126	67-136
Methylcyclohexane	3,540		100	2,500	142	# 51-137
1,2-Dichloropropane	2,990		100	2,500	120	77-130
Bromodichloromethane	2,890		100	2,500	116	83-129
cis-1,3-Dichloropropene	3,140		100	2,500	126	65-132
trans-1,3-Dichloropropene	2,930		100	2,500	117	67-132
1,1,2-Trichloroethane	2,870		100	2,500	115	72-137
Dibromochloromethane	3,060		100	2,500	122	76-126
Bromoform	2,880		100	2,500	115	63-135



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Volatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H0905

Sample Type: Solid

LCS (B2H0905-BS1)

Prepared: 8/9/2012 Analyzed: 8/9/2012

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Reporting Qualifiers	Spike Limit	Level	%REC	%REC Limits
4-Methyl-2-pentanone	2,740		250	2,500	110	82-131
Toluene	2,940		100	2,500	117	69-132
Tetrachloroethene	3,030		100	2,500	121	63-133
2-Hexanone	2,840		250	2,500	114	49-141
1,2-Dibromoethane	2,890		100	2,500	116	68-130
Chlorobenzene	3,060		100	2,500	122	68-139
Ethylbenzene	3,080		100	2,500	123	58-138
meta-/para-Xylene	5,820		200	5,000	117	59-138
ortho-Xylene	3,020		100	2,500	121	52-143
Styrene	3,070		100	2,500	123	55-142
Isopropylbenzene	2,770		100	2,500	111	57-143
1,1,2,2-Tetrachloroethane	2,700		100	2,500	108	71-137
1,3-Dichlorobenzene	3,120		100	2,500	125	65-140
1,4-Dichlorobenzene	3,110		100	2,500	125	66-139
1,2-Dichlorobenzene	3,040		100	2,500	122	65-139
1,2-Dibromo-3-chloropropane	2,740		250	2,500	110	74-130
1,2,4-Trichlorobenzene	3,090		250	2,500	124	70-132

LCS (B2H0905-BS2)

Prepared: 8/10/2012 Analyzed: 8/10/2012

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
<i>Surr: 1,2-Dichloroethane-d4</i>	48.7		50.0	97.5	82-120
<i>Surr: Toluene-d8</i>	49.5		50.0	99.0	81-116
<i>Surr: 4-Bromofluorobenzene</i>	51.7		50.0	103	80-116



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Volatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H0905

Sample Type: Solid

LCS (B2H0905-BS2)

Prepared: 8/10/2012 Analyzed: 8/10/2012

Targets

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Dichlorodifluoromethane	417		250	2,500	16.7 #	39-124
Chloromethane	1,080		250	2,500	43.1	36-152
Vinyl chloride	1,280		100	2,500	51.3	34-138
Bromomethane	1,260		250	2,500	50.6	35-127
Chloroethane	1,080		100	2,500	43.0 #	51-148
Trichlorofluoromethane	1,960		100	2,500	78.4	18-136
1,1-Dichloroethene	2,040		100	2,500	81.6	55-160
Carbon disulfide	1,890		100	2,500	75.6	60-142
1,1,2-Trichloro-1,2,2-trifluoroethane	2,030		100	2,500	81.1	67-148
Acetone	2,190		500	2,500	87.6	46-138
Methylene chloride	2,440		100	2,500	97.8	72-151
Methyl acetate	2,340		250	2,500	93.4	67-161
trans-1,2-Dichloroethene	2,310		100	2,500	92.5	61-153
cis-1,2-Dichloroethene	2,210		100	2,500	88.6	66-137
Methyl tert-butyl ether	2,220		100	2,500	88.7	82-137
1,1-Dichloroethane	2,340		100	2,500	93.5	68-141
2-Butanone	2,480		250	2,500	99.2	38-147
Chloroform	2,400		100	2,500	96.0	78-136
1,2-Dichloroethane	2,350		100	2,500	94.2	73-141
1,1,1-Trichloroethane	2,560		100	2,500	103	77-136
Cyclohexane	2,650		100	2,500	106	62-142
Carbon tetrachloride	2,600		100	2,500	104	73-136
Benzene	2,510		100	2,500	101	63-141
Trichloroethene	2,620		100	2,500	105	67-136
Methylcyclohexane	2,620		100	2,500	105	51-137
1,2-Dichloropropane	2,570		100	2,500	103	77-130
Bromodichloromethane	2,540		100	2,500	101	83-129
cis-1,3-Dichloropropene	2,600		100	2,500	104	65-132



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Volatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H0905

Sample Type: Solid

LCS (B2H0905-BS2)

Prepared: 8/10/2012 Analyzed: 8/10/2012

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Reporting Qualifiers	Spike Limit	Spike Level	%REC %REC	%REC Limits
trans-1,3-Dichloropropene	2,470		100	2,500	98.8	67-132
1,1,2-Trichloroethane	2,570		100	2,500	103	72-137
Dibromochloromethane	2,550		100	2,500	102	76-126
Bromoform	2,520		100	2,500	101	63-135
4-Methyl-2-pentanone	2,700		250	2,500	108	82-131
Toluene	2,480		100	2,500	99.1	69-132
Tetrachloroethene	2,560		100	2,500	102	63-133
2-Hexanone	2,750		250	2,500	110	49-141
1,2-Dibromoethane	2,460		100	2,500	98.4	68-130
Chlorobenzene	2,560		100	2,500	103	68-139
Ethylbenzene	2,650		100	2,500	106	58-138
meta-/para-Xylene	5,020		200	5,000	100	59-138
ortho-Xylene	2,560		100	2,500	102	52-143
Styrene	2,760		100	2,500	110	55-142
Isopropylbenzene	2,350		100	2,500	94.0	57-143
1,1,2,2-Tetrachloroethane	2,460		100	2,500	98.5	71-137
1,3-Dichlorobenzene	2,680		100	2,500	107	65-140
1,4-Dichlorobenzene	2,700		100	2,500	108	66-139
1,2-Dichlorobenzene	2,640		100	2,500	106	65-139
1,2-Dibromo-3-chloropropane	2,420		250	2,500	96.9	74-130
1,2,4-Trichlorobenzene	2,660		250	2,500	106	70-132

Matrix Spike (B2H0905-MS1)

Source: 1208003-01

Prepared: 8/9/2012 Analyzed: 8/9/2012

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC %REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	47.0		50.0	94.0	82-120



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Volatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H0905

Sample Type: Solid

Matrix Spike (B2H0905-MS1)

Source: 1208003-01

Prepared: 8/9/2012 Analyzed: 8/9/2012

Surrogates (Continued)

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	% REC	% REC Limits
<i>Surr: Toluene-d8</i>	47.2		50.0	94.3	81-116
<i>Surr: 4-Bromofluorobenzene</i>	49.1		50.0	98.3	80-116

Matrix Spike (B2H0905-MS1)

Source: 1208003-01

Prepared: 8/9/2012 Analyzed: 8/9/2012

Targets

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	% REC	% REC Limits
1,1-Dichloroethene	2,180		99.9	2,500		87.3	59-172
Benzene	2,570		99.9	2,500		103	66-142
Trichloroethene	2,630		99.9	2,500		105	62-137
Toluene	3,090		99.9	2,500	445	106	59-139
Chlorobenzene	2,590		99.9	2,500		104	60-133

Matrix Spike Dup (B2H0905-MSD1)

Source: 1208003-01

Prepared: 8/9/2012 Analyzed: 8/9/2012

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	% REC	% REC Limits
<i>Surr: 1,2-Dichloroethane-d4</i>	47.0		50.0	94.0	82-120
<i>Surr: Toluene-d8</i>	46.3		50.0	92.5	81-116
<i>Surr: 4-Bromofluorobenzene</i>	52.1		50.0	104	80-116



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Volatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H0905

Sample Type: Solid

Matrix Spike Dup (B2H0905-MSD1)

Source: 1208003-01

Prepared: 8/9/2012 Analyzed: 8/9/2012

Targets

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit
1,1-Dichloroethene	2,690		99.9	2,500		108 59-172	20.8	22
Benzene	2,400		99.9	2,500		95.9 66-142	6.96	21
Trichloroethene	2,480		99.9	2,500		99.5 62-137	5.67	24
Toluene	2,690		99.9	2,500	445	89.9 59-139	16.2	21
Chlorobenzene	2,510		99.9	2,500		100 60-133	3.37	21



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Volatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H1401

Sample Type: Liquid

Blank (B2H1401-BLK1)

Prepared: 8/14/2012 Analyzed: 8/14/2012

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	% REC	% REC Limits
<i>Surr: 1,2-Dichloroethane-d4</i>	49.0		50.0	97.9	81-124
<i>Surr: Toluene-d8</i>	49.6		50.0	99.2	86-115
<i>Surr: 4-Bromofluorobenzene</i>	48.0		50.0	96.0	76-115

Blank (B2H1401-BLK1)

Prepared: 8/14/2012 Analyzed: 8/14/2012

Targets

ANALYTE	Result µg/l	Analyte Reporting Qualifiers	Limit
Dichlorodifluoromethane	U		5.0
Chloromethane	U		5.0
Vinyl chloride	U		2.0
Bromomethane	U		5.0
Chloroethane	U		2.0
Trichlorofluoromethane	U		2.0
1,1-Dichloroethene	U		2.0
Carbon disulfide	U		2.0
1,1,2-Trichloro-1,2,2-trifluoroethane	U		2.0
Acetone	U		10.0
Methylene chloride	U		2.0
Methyl acetate	U		2.0
trans-1,2-Dichloroethene	U		2.0
cis-1,2-Dichloroethene	U		2.0
Methyl tert-butyl ether	U		2.0
1,1-Dichloroethane	U		2.0
2-Butanone	U		5.0
Chloroform	U		2.0
1,2-Dichloroethane	U		2.0



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Volatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H1401

Sample Type: Liquid

Blank (B2H1401-BLK1)

Prepared: 8/14/2012 Analyzed: 8/14/2012

Targets (Continued)

ANALYTE	Result µg/l	Analyte Reporting Qualifiers	Limit
1,1,1-Trichloroethane	U		2.0
Cyclohexane	U		2.0
Carbon tetrachloride	U		2.0
Benzene	U		2.0
Trichloroethene	U		2.0
Methylcyclohexane	U		2.0
1,2-Dichloropropane	U		2.0
Bromodichloromethane	U		2.0
cis-1,3-Dichloropropene	U		2.0
trans-1,3-Dichloropropene	U		2.0
1,1,2-Trichloroethane	U		2.0
Dibromochloromethane	U		2.0
Bromoform	U		2.0
4-Methyl-2-pentanone	U		5.0
Toluene	U		2.0
Tetrachloroethene	U		2.0
2-Hexanone	U		5.0
1,2-Dibromoethane	U		2.0
Chlorobenzene	U		2.0
Ethylbenzene	U		2.0
meta-/para-Xylene	U		4.0
ortho-Xylene	U		2.0
Styrene	U		2.0
Isopropylbenzene	U		2.0
1,1,2,2-Tetrachloroethane	U		2.0
1,3-Dichlorobenzene	U		2.0
1,4-Dichlorobenzene	U		2.0
1,2-Dichlorobenzene	U		2.0
1,2-Dibromo-3-chloropropane	U		5.0



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Volatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H1401

Sample Type: Liquid

Blank (B2H1401-BLK1)

Prepared: 8/14/2012 Analyzed: 8/14/2012

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
1,2,4-Trichlorobenzene	U		5.0

LCS (B2H1401-BS1)

Prepared: 8/14/2012 Analyzed: 8/14/2012

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	% REC	% REC Limits
<i>Surr: 1,2-Dichloroethane-d4</i>	50.8		50.0	102	81-124
<i>Surr: Toluene-d8</i>	51.3		50.0	103	86-115
<i>Surr: 4-Bromofluorobenzene</i>	50.9		50.0	102	76-115

LCS (B2H1401-BS1)

Prepared: 8/14/2012 Analyzed: 8/14/2012

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	% REC	% REC Limits
Dichlorodifluoromethane	20.1		5.0	50.0	40.2 #	64-176
Chloromethane	30.4		5.0	50.0	60.7 #	70-168
Vinyl chloride	36.1		2.0	50.0	72.1	69-153
Bromomethane	41.3		5.0	50.0	82.6	73-155
Chloroethane	44.7		2.0	50.0	89.3	68-137
Trichlorofluoromethane	52.1		2.0	50.0	104	74-137
1,1-Dichloroethene	48.1		2.0	50.0	96.2	71-142
Carbon disulfide	48.7		2.0	50.0	97.3	58-155
1,1,2-Trichloro-1,2,2-trifluoroethane	47.5		2.0	50.0	95.0	85-142
Acetone	49.6		10.0	50.0	99.1	46-159
Methylene chloride	52.1		2.0	50.0	104	75-126



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Volatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H1401

Sample Type: Liquid

LCS (B2H1401-BS1)

Prepared: 8/14/2012 Analyzed: 8/14/2012

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	
					%REC	Limits
Methyl acetate	52.1		2.0	50.0	104	70-137
trans-1,2-Dichloroethene	53.8		2.0	50.0	108	73-127
cis-1,2-Dichloroethene	47.7		2.0	50.0	95.4	83-121
Methyl tert-butyl ether	47.7		2.0	50.0	95.4	82-124
1,1-Dichloroethane	52.9		2.0	50.0	106	81-123
2-Butanone	58.3		5.0	50.0	117	57-153
Chloroform	52.4		2.0	50.0	105	83-119
1,2-Dichloroethane	51.6		2.0	50.0	103	81-120
1,1,1-Trichloroethane	53.6		2.0	50.0	107	82-124
Cyclohexane	58.0		2.0	50.0	116	77-141
Carbon tetrachloride	54.4		2.0	50.0	109	81-124
Benzene	51.2		2.0	50.0	102	80-122
Trichloroethene	51.6		2.0	50.0	103	79-121
Methylcyclohexane	52.0		2.0	50.0	104	86-126
1,2-Dichloropropane	52.6		2.0	50.0	105	82-119
Bromodichloromethane	51.4		2.0	50.0	103	82-118
cis-1,3-Dichloropropene	53.0		2.0	50.0	106	78-120
trans-1,3-Dichloropropene	50.6		2.0	50.0	101	75-123
1,1,2-Trichloroethane	52.4		2.0	50.0	105	81-116
Dibromochloromethane	53.8		2.0	50.0	108	79-112
Bromoform	50.6		2.0	50.0	101	76-120
4-Methyl-2-pentanone	55.0		5.0	50.0	110	79-130
Toluene	54.0		2.0	50.0	108	81-122
Tetrachloroethene	53.7		2.0	50.0	107	81-120
2-Hexanone	57.0		5.0	50.0	114	69-138
1,2-Dibromoethane	52.3		2.0	50.0	105	81-117
Chlorobenzene	54.0		2.0	50.0	108	82-119
Ethylbenzene	53.5		2.0	50.0	107	79-126
meta-/para-Xylene	104		4.0	100	104	73-131



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Volatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H1401

Sample Type: Liquid

LCS (B2H1401-BS1)

Prepared: 8/14/2012 Analyzed: 8/14/2012

Targets (Continued)

ANALYTE	Result µg/l	Analyte Reporting Qualifiers	Spike Limit	%REC	
				%REC	Limits
ortho-Xylene	53.4		2.0	107	79-124
Styrene	52.8		2.0	106	65-126
Isopropylbenzene	48.0		2.0	95.9	82-128
1,1,2,2-Tetrachloroethane	52.7		2.0	105	81-117
1,3-Dichlorobenzene	55.8		2.0	112	82-119
1,4-Dichlorobenzene	54.3		2.0	109	82-120
1,2-Dichlorobenzene	54.6		2.0	109	81-117
1,2-Dibromo-3-chloropropane	54.4		5.0	109	74-122
1,2,4-Trichlorobenzene	55.7		5.0	111	78-119



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Semivolatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H0902

Sample Type: Solid

Blank (B2H0902-BLK1)

Prepared: 8/9/2012 Analyzed: 8/13/2012

Surrogates

ANALYTE	Result µg/kg dry	Analyte Qualifier	Spike Level	% REC	% REC Limits
<i>Surr: 2-Fluorophenol</i>	4,860		7,310	66.6	38-101
<i>Surr: Phenol-d5</i>	5,170		7,310	70.7	42-105
<i>Surr: 2-Chlorophenol-d4</i>	4,720		7,310	64.6	40-100
<i>Surr: 1,2-Dichlorobenzene-d4</i>	3,280		4,870	67.3	37-100
<i>Surr: Nitrobenzene-d5</i>	3,490		4,870	71.6	42-108
<i>Surr: 2-Fluorobiphenyl</i>	3,550		4,870	72.9	51-103
<i>Surr: 2,4,6-Tribromophenol</i>	5,300		7,310	72.6	55-115
<i>Surr: Terphenyl-d14</i>	3,340		4,870	68.6	55-125

Blank (B2H0902-BLK1)

Prepared: 8/9/2012 Analyzed: 8/13/2012

Targets

ANALYTE	Result µg/kg dry	Analyte Reporting Qualifiers	Reporting Limit
Acenaphthene	U		195
Acenaphthylene	U		195
Acetophenone	U		487
Anthracene	U		195
Atrazine	U		487
Benzaldehyde	U		487
Benzoic acid	U		974
Benzo (a) anthracene	U		487
Benzo (a) pyrene	U		487
Benzo (b) fluoranthene	U		487
Benzo (g,h,i) perylene	U		487
Benzo (k) fluoranthene	U		487
Benzyl alcohol	U		487
1,1'-Biphenyl	U		487
Bis(2-chloroethoxy)methane	U		487



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Semivolatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H0902

Sample Type: Solid

Blank (B2H0902-BLK1)

Prepared: 8/9/2012 Analyzed: 8/13/2012

Targets (Continued)

ANALYTE	Result μg/kg dry	Analyte Reporting Qualifiers	Limit
Bis(2-chloroethyl)ether	U		487
Bis(2-chloro-1-methylethyl)ether	U		487
Bis(2-ethylhexyl)phthalate	U		487
4-Bromophenyl phenyl ether	U		487
Butyl benzyl phthalate	U		487
Carbazole	U		487
Caprolactam	U		487
4-Chloroaniline	U		487
2-Chloronaphthalene	U		487
2-Chlorophenol	U		487
4-Chlorophenyl phenyl ether	U		487
4-Chloro-3-methylphenol	U		487
Chrysene	U		487
Dibenzofuran	U		487
Dibenz (a,h) anthracene	U		487
1,2-Dichlorobenzene	U		487
1,3-Dichlorobenzene	U		487
1,4-Dichlorobenzene	U		487
3,3'-Dichlorobenzidine	U		487
2,4-Dichlorophenol	U		487
Diethyl phthalate	U		487
2,4-Dimethylphenol	U		487
Dimethyl phthalate	U		487
2,4-Dinitrophenol	U		1,950
2,4-Dinitrotoluene	U		487
2,6-Dinitrotoluene	U		487
4,6-Dinitro-2-methylphenol	U		1,950
Di-n-butyl phthalate	U		487
Di-n-octyl phthalate	U		487



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Semivolatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H0902

Sample Type: Solid

Blank (B2H0902-BLK1)

Prepared: 8/9/2012 Analyzed: 8/13/2012

Targets (Continued)

ANALYTE	Result μg/kg dry	Analyte Reporting Qualifiers	Limit
Fluoranthene	U		195
Fluorene	U		195
Hexachlorobenzene	U		487
Hexachlorobutadiene	U		487
Hexachlorocyclopentadiene	U		487
Hexachloroethane	U		487
Indeno (1,2,3-cd) pyrene	U		487
Isophorone	U		487
2-Methylnaphthalene	U		195
2-Methylphenol	U		487
3 &/or 4-Methylphenol	U		487
Naphthalene	U		195
2-Nitroaniline	U		779
3-Nitroaniline	U		779
4-Nitroaniline	U		779
Nitrobenzene	U		487
2-Nitrophenol	U		487
4-Nitrophenol	U		1,270
N-Nitrosodiphenylamine	U		487
N-Nitrosodi-n-propylamine	U		487
Pentachlorophenol	U		487
Phenanthrene	U		195
Phenol	U		487
Pyrene	U		195
1,2,4-Trichlorobenzene	U		487
2,4,5-Trichlorophenol	U		487
2,4,6-Trichlorophenol	U		487



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Semivolatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H0902

Sample Type: Solid

LCS (B2H0902-BS1)

Prepared: 8/9/2012 Analyzed: 8/13/2012

Surrogates

ANALYTE	Result µg/kg dry	Analyte Qualifier	Spike Level	% REC	% REC Limits
<i>Surr: 2-Fluorophenol</i>	4,240		7,330	57.9	38-101
<i>Surr: Phenol-d5</i>	4,290		7,330	58.6	42-105
<i>Surr: 2-Chlorophenol-d4</i>	3,950		7,330	53.9	40-100
<i>Surr: 1,2-Dichlorobenzene-d4</i>	2,800		4,880	57.3	37-100
<i>Surr: Nitrobenzene-d5</i>	2,940		4,880	60.3	42-108
<i>Surr: 2-Fluorobiphenyl</i>	3,080		4,880	63.1	51-103
<i>Surr: 2,4,6-Tribromophenol</i>	5,600		7,330	76.5	55-115
<i>Surr: Terphenyl-d14</i>	3,720		4,880	76.1	55-125

LCS (B2H0902-BS1)

Prepared: 8/9/2012 Analyzed: 8/13/2012

Targets

ANALYTE	Result µg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	% REC	% REC Limits
Acenaphthene	3,090		195	4,880	63.3	47-101
2-Chlorophenol	4,100		488	7,330	55.9	41-100
4-Chloro-3-methylphenol	4,600		488	7,330	62.8	47-114
1,4-Dichlorobenzene	2,720		488	4,880	55.6	32-100
2,4-Dinitrotoluene	3,200		488	4,880	65.5	54-112
4-Nitrophenol	4,870		1,270	7,330	66.5	47-130
N-Nitrosodi-n-propylamine	3,190		488	4,880	65.3	43-100
Pentachlorophenol	4,130		488	7,330	56.4	16-122
Phenol	4,110		488	7,330	56.0	40-101
Pyrene	3,500		195	4,880	71.6	51-119
1,2,4-Trichlorobenzene	2,910		488	4,880	59.6	40-100



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Semivolatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H1002

Sample Type: Solid

Blank (B2H1002-BLK1)

Prepared: 8/10/2012 Analyzed: 8/13/2012

Surrogates

ANALYTE	Result µg/kg dry	Analyte Qualifier	Spike Level	% REC	% REC Limits
<i>Surr: 2-Fluorophenol</i>	4,040		7,160	56.4	38-101
<i>Surr: Phenol-d5</i>	4,280		7,160	59.8	42-105
<i>Surr: 2-Chlorophenol-d4</i>	3,870		7,160	54.0	40-100
<i>Surr: 1,2-Dichlorobenzene-d4</i>	2,670		4,770	55.8	37-100
<i>Surr: Nitrobenzene-d5</i>	2,820		4,770	59.1	42-108
<i>Surr: 2-Fluorobiphenyl</i>	3,080		4,770	64.5	51-103
<i>Surr: 2,4,6-Tribromophenol</i>	5,210		7,160	72.8	55-115
<i>Surr: Terphenyl-d14</i>	3,950		4,770	82.7	55-125

Blank (B2H1002-BLK1)

Prepared: 8/10/2012 Analyzed: 8/13/2012

Targets

ANALYTE	Result µg/kg dry	Analyte Reporting Qualifiers	Limit
Acenaphthene	U		191
Acenaphthylene	U		191
Acetophenone	U		477
Anthracene	U		191
Atrazine	U		477
Benzaldehyde	U		477
Benzoic acid	U		955
Benzo (a) anthracene	U		477
Benzo (a) pyrene	U		477
Benzo (b) fluoranthene	U		477
Benzo (g,h,i) perylene	U		477
Benzo (k) fluoranthene	U		477
Benzyl alcohol	U		477
1,1'-Biphenyl	U		477
Bis(2-chloroethoxy)methane	U		477



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Semivolatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H1002

Sample Type: Solid

Blank (B2H1002-BLK1)

Prepared: 8/10/2012 Analyzed: 8/13/2012

Targets (Continued)

ANALYTE	Result μg/kg dry	Analyte Reporting Qualifiers	Limit
Bis(2-chloroethyl)ether	U		477
Bis(2-chloro-1-methylethyl)ether	U		477
Bis(2-ethylhexyl)phthalate	U		477
4-Bromophenyl phenyl ether	U		477
Butyl benzyl phthalate	U		477
Carbazole	U		477
Caprolactam	U		477
4-Chloroaniline	U		477
2-Chloronaphthalene	U		477
2-Chlorophenol	U		477
4-Chlorophenyl phenyl ether	U		477
4-Chloro-3-methylphenol	U		477
Chrysene	U		477
Dibenzofuran	U		477
Dibenz (a,h) anthracene	U		477
1,2-Dichlorobenzene	U		477
1,3-Dichlorobenzene	U		477
1,4-Dichlorobenzene	U		477
3,3'-Dichlorobenzidine	U		477
2,4-Dichlorophenol	U		477
Diethyl phthalate	U		477
2,4-Dimethylphenol	U		477
Dimethyl phthalate	U		477
2,4-Dinitrophenol	U		1,910
2,4-Dinitrotoluene	U		477
2,6-Dinitrotoluene	U		477
4,6-Dinitro-2-methylphenol	U		1,910
Di-n-butyl phthalate	U		477
Di-n-octyl phthalate	U		477



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Semivolatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H1002

Sample Type: Solid

Blank (B2H1002-BLK1)

Prepared: 8/10/2012 Analyzed: 8/13/2012

Targets (Continued)

ANALYTE	Result μg/kg dry	Analyte Reporting Qualifiers	Limit
Fluoranthene	U		191
Fluorene	U		191
Hexachlorobenzene	U		477
Hexachlorobutadiene	U		477
Hexachlorocyclopentadiene	U		477
Hexachloroethane	U		477
Indeno (1,2,3-cd) pyrene	U		477
Isophorone	U		477
2-Methylnaphthalene	U		191
2-Methylphenol	U		477
3 &/or 4-Methylphenol	U		477
Naphthalene	U		191
2-Nitroaniline	U		764
3-Nitroaniline	U		764
4-Nitroaniline	U		764
Nitrobenzene	U		477
2-Nitrophenol	U		477
4-Nitrophenol	U		1,240
N-Nitrosodiphenylamine	U		477
N-Nitrosodi-n-propylamine	U		477
Pentachlorophenol	U		477
Phenanthrene	U		191
Phenol	U		477
Pyrene	U		191
1,2,4-Trichlorobenzene	U		477
2,4,5-Trichlorophenol	U		477
2,4,6-Trichlorophenol	U		477



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Semivolatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H1002

Sample Type: Solid

LCS (B2H1002-BS1)

Prepared: 8/10/2012 Analyzed: 8/13/2012

Surrogates

ANALYTE	Result µg/kg dry	Analyte Qualifier	Spike Level	% REC	% REC Limits
<i>Surr: 2-Fluorophenol</i>	5,680		7,260	78.2	38-101
<i>Surr: Phenol-d5</i>	5,670		7,260	78.1	42-105
<i>Surr: 2-Chlorophenol-d4</i>	5,260		7,260	72.4	40-100
<i>Surr: 1,2-Dichlorobenzene-d4</i>	3,750		4,840	77.5	37-100
<i>Surr: Nitrobenzene-d5</i>	3,880		4,840	80.1	42-108
<i>Surr: 2-Fluorobiphenyl</i>	3,890		4,840	80.3	51-103
<i>Surr: 2,4,6-Tribromophenol</i>	6,620		7,260	91.2	55-115
<i>Surr: Terphenyl-d14</i>	3,440		4,840	71.0	55-125

LCS (B2H1002-BS1)

Prepared: 8/10/2012 Analyzed: 8/13/2012

Targets

ANALYTE	Result µg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	% REC	% REC Limits
Acenaphthene	3,870		194	4,840	79.9	47-101
2-Chlorophenol	5,390		484	7,260	74.3	41-100
4-Chloro-3-methylphenol	5,920		484	7,260	81.6	47-114
1,4-Dichlorobenzene	3,600		484	4,840	74.4	32-100
2,4-Dinitrotoluene	4,380		484	4,840	90.4	54-112
4-Nitrophenol	7,430		1,260	7,260	102	47-130
N-Nitrosodi-n-propylamine	4,550		484	4,840	94.0	43-100
Pentachlorophenol	5,540		484	7,260	76.2	16-122
Phenol	5,430		484	7,260	74.7	40-101
Pyrene	3,350		194	4,840	69.2	51-119
1,2,4-Trichlorobenzene	3,780		484	4,840	78.1	40-100



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Semivolatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H1002

Sample Type: Solid

Matrix Spike (B2H1002-MS1)

Source: 1208005-04

Prepared: 8/10/2012 Analyzed: 8/13/2012

Surrogates

ANALYTE	Result µg/kg dry	Analyte Qualifier	Spike Level	% REC	% REC Limits
<i>Surr: 2-Fluorophenol</i>	6,490		12,300	52.7	38-101
<i>Surr: Phenol-d5</i>	7,220		12,300	58.6	42-105
<i>Surr: 2-Chlorophenol-d4</i>	6,250		12,300	50.7	40-100
<i>Surr: 1,2-Dichlorobenzene-d4</i>	4,130		8,220	50.3	37-100
<i>Surr: Nitrobenzene-d5</i>	5,060		8,220	61.6	42-108
<i>Surr: 2-Fluorobiphenyl</i>	6,800		8,220	82.7	51-103
<i>Surr: 2,4,6-Tribromophenol</i>	13,000		12,300	106	55-115
<i>Surr: Terphenyl-d14</i>	5,680		8,220	69.1	55-125

Matrix Spike (B2H1002-MS1)

Source: 1208005-04

Prepared: 8/10/2012 Analyzed: 8/13/2012

Targets

ANALYTE	Result µg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	% REC	% REC Limits
Acenaphthene	7,040		329	8,220	540	79.2	34-107
2-Chlorophenol	6,360		822	12,300		51.6	28-94
4-Chloro-3-methylphenol	10,700		822	12,300		86.7	38-126
1,4-Dichlorobenzene	3,710		822	8,220		45.1	27-83
2,4-Dinitrotoluene	7,120		822	8,220		86.7	38-123
4-Nitrophenol	13,300		2,140	12,300		108	35-138
N-Nitrosodi-n-propylamine	5,190		822	8,220		63.2	29-97
Pentachlorophenol	11,400		822	12,300		92.1	10-126
Phenol	6,940		822	12,300	197	54.7	32-96
Pyrene	5,640		329	8,220	251	65.6	39-129
1,2,4-Trichlorobenzene	5,000		822	8,220		60.9	24-105



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Semivolatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H1002

Sample Type: Solid

Matrix Spike Dup (B2H1002-MSD1)

Source: 1208005-04

Prepared: 8/10/2012 Analyzed: 8/13/2012

Surrogates

ANALYTE	Result µg/kg dry	Analyte Qualifier	Spike Level	% REC	% REC Limits
<i>Surr: 2-Fluorophenol</i>	8,850		12,100	73.0	38-101
<i>Surr: Phenol-d5</i>	9,310		12,100	76.8	42-105
<i>Surr: 2-Chlorophenol-d4</i>	8,290		12,100	68.4	40-100
<i>Surr: 1,2-Dichlorobenzene-d4</i>	5,590		8,070	69.2	37-100
<i>Surr: Nitrobenzene-d5</i>	6,740		8,070	83.4	42-108
<i>Surr: 2-Fluorobiphenyl</i>	7,730		8,070	95.8	51-103
<i>Surr: 2,4,6-Tribromophenol</i>	13,000		12,100	107	55-115
<i>Surr: Terphenyl-d14</i>	5,840		8,070	72.3	55-125

Matrix Spike Dup (B2H1002-MSD1)

Source: 1208005-04

Prepared: 8/10/2012 Analyzed: 8/13/2012

Targets

ANALYTE	Result µg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	% REC	% REC Limits	RPD	RPD Limit
Acenaphthene	7,610		323	8,070	540	87.5	34-107	10.0	31
2-Chlorophenol	8,220		807	12,100		67.8	28-94	27.1	37
4-Chloro-3-methylphenol	11,400		807	12,100		94.3	38-126	8.50	36
1,4-Dichlorobenzene	5,180		807	8,070		64.1	27-83	34.8	36
2,4-Dinitrotoluene	7,600		807	8,070		94.1	38-123	8.21	32
4-Nitrophenol	12,500		2,100	12,100		103	35-138	4.91	39
N-Nitrosodi-n-propylamine	6,920		807	8,070		85.7	29-97	30.3	33
Pentachlorophenol	10,500		807	12,100		86.8	10-126	5.89	45
Phenol	8,880		807	12,100	197	71.7	32-96	26.9	38
Pyrene	5,740		323	8,070	251	67.9	39-129	3.53	34
1,2,4-Trichlorobenzene	6,260		807	8,070		77.6	24-105	24.1	34



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Semivolatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H1403

Sample Type: Solid

Blank (B2H1403-BLK1)

Prepared: 8/15/2012 Analyzed: 8/15/2012

Surrogates

ANALYTE	Result µg/kg dry	Analyte Qualifier	Spike Level	% REC	% REC Limits
<i>Surr: 2-Fluorophenol</i>	4,480		7,210	62.1	38-101
<i>Surr: Phenol-d5</i>	5,980		7,210	83.0	42-105
<i>Surr: 2-Chlorophenol-d4</i>	5,430		7,210	75.4	40-100
<i>Surr: 1,2-Dichlorobenzene-d4</i>	2,880		4,810	60.0	37-100
<i>Surr: Nitrobenzene-d5</i>	4,230		4,810	88.0	42-108
<i>Surr: 2-Fluorobiphenyl</i>	4,120		4,810	85.7	51-103
<i>Surr: 2,4,6-Tribromophenol</i>	6,000		7,210	83.3	55-115
<i>Surr: Terphenyl-d14</i>	5,100		4,810	106	55-125

Blank (B2H1403-BLK1)

Prepared: 8/15/2012 Analyzed: 8/15/2012

Targets

ANALYTE	Result µg/kg dry	Analyte Reporting Qualifiers	Limit
Acenaphthene	U		192
Acenaphthylene	U		192
Acetophenone	U		481
Anthracene	U		192
Atrazine	U		481
Benzaldehyde	U		481
Benzoic acid	U		961
Benzo (a) anthracene	U		481
Benzo (a) pyrene	U		481
Benzo (b) fluoranthene	U		481
Benzo (g,h,i) perylene	U		481
Benzo (k) fluoranthene	U		481
Benzyl alcohol	U		481
1,1'-Biphenyl	U		481
Bis(2-chloroethoxy)methane	U		481



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Semivolatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H1403

Sample Type: Solid

Blank (B2H1403-BLK1)

Prepared: 8/15/2012 Analyzed: 8/15/2012

Targets (Continued)

ANALYTE	Result μg/kg dry	Analyte Reporting Qualifiers	Limit
Bis(2-chloroethyl)ether	U		481
Bis(2-chloro-1-methylethyl)ether	U		481
Bis(2-ethylhexyl)phthalate	U		481
4-Bromophenyl phenyl ether	U		481
Butyl benzyl phthalate	U		481
Carbazole	U		481
Caprolactam	U		481
4-Chloroaniline	U		481
2-Chloronaphthalene	U		481
2-Chlorophenol	U		481
4-Chlorophenyl phenyl ether	U		481
4-Chloro-3-methylphenol	U		481
Chrysene	U		481
Dibenzofuran	U		481
Dibenz (a,h) anthracene	U		481
1,2-Dichlorobenzene	U		481
1,3-Dichlorobenzene	U		481
1,4-Dichlorobenzene	U		481
3,3'-Dichlorobenzidine	U		481
2,4-Dichlorophenol	U		481
Diethyl phthalate	U		481
2,4-Dimethylphenol	U		481
Dimethyl phthalate	U		481
2,4-Dinitrophenol	U		1,920
2,4-Dinitrotoluene	U		481
2,6-Dinitrotoluene	U		481
4,6-Dinitro-2-methylphenol	U		1,920
Di-n-butyl phthalate	U		481
Di-n-octyl phthalate	U		481



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Semivolatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H1403

Sample Type: Solid

Blank (B2H1403-BLK1)

Prepared: 8/15/2012 Analyzed: 8/15/2012

Targets (Continued)

ANALYTE	Result μg/kg dry	Analyte Qualifiers	Reporting Limit
Fluoranthene	U		192
Fluorene	U		192
Hexachlorobenzene	U		481
Hexachlorobutadiene	U		481
Hexachlorocyclopentadiene	U		481
Hexachloroethane	U		481
Indeno (1,2,3-cd) pyrene	U		481
Isophorone	U		481
2-Methylnaphthalene	U		192
2-Methylphenol	U		481
3 &/or 4-Methylphenol	U		481
Naphthalene	U		192
2-Nitroaniline	U		769
3-Nitroaniline	U		769
4-Nitroaniline	U		769
Nitrobenzene	U		481
2-Nitrophenol	U		481
4-Nitrophenol	U		1,250
N-Nitrosodiphenylamine	U		481
N-Nitrosodi-n-propylamine	U		481
Pentachlorophenol	U		481
Phenanthrene	U		192
Phenol	U		481
Pyrene	U		192
1,2,4-Trichlorobenzene	U		481
2,4,5-Trichlorophenol	U		481
2,4,6-Trichlorophenol	U		481



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Semivolatiles by CLP OLM04.2 - GC/MS - Quality Control

Batch: B2H1403

Sample Type: Solid

LCS (B2H1403-BS1)

Prepared: 8/15/2012 Analyzed: 8/15/2012

Surrogates

ANALYTE	Result µg/kg dry	Analyte Qualifier	Spike Level	% REC	% REC Limits
<i>Surr: 2-Fluorophenol</i>	5,820		7,480	77.9	38-101
<i>Surr: Phenol-d5</i>	6,170		7,480	82.5	42-105
<i>Surr: 2-Chlorophenol-d4</i>	5,400		7,480	72.3	40-100
<i>Surr: 1,2-Dichlorobenzene-d4</i>	3,810		4,980	76.4	37-100
<i>Surr: Nitrobenzene-d5</i>	4,400		4,980	88.3	42-108
<i>Surr: 2-Fluorobiphenyl</i>	3,990		4,980	80.1	51-103
<i>Surr: 2,4,6-Tribromophenol</i>	6,370		7,480	85.2	55-115
<i>Surr: Terphenyl-d14</i>	5,190		4,980	104	55-125

LCS (B2H1403-BS1)

Prepared: 8/15/2012 Analyzed: 8/15/2012

Targets

ANALYTE	Result µg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	% REC	% REC Limits
Acenaphthene	4,260		199	4,980	85.5	47-101
2-Chlorophenol	5,720		498	7,480	76.5	41-100
4-Chloro-3-methylphenol	6,900		498	7,480	92.3	47-114
1,4-Dichlorobenzene	3,300		498	4,980	66.2	32-100
2,4-Dinitrotoluene	4,820		498	4,980	96.7	54-112
4-Nitrophenol	7,020		1,300	7,480	93.9	47-130
N-Nitrosodi-n-propylamine	4,700		498	4,980	94.4	43-100
Pentachlorophenol	7,010		498	7,480	93.8	16-122
Phenol	5,890		498	7,480	78.8	40-101
Pyrene	5,640		199	4,980	113	51-119
1,2,4-Trichlorobenzene	3,780		498	4,980	75.9	40-100



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Pesticide/PCB by OLM04.2 - GC/ECD - Quality Control

Batch: B2H0901

Sample Type: Solid

Blank (B2H0901-BLK1)

Prepared: 8/9/2012 Analyzed: 8/16/2012

Surrogates

ANALYTE	Result µg/kg dry	Analyte Qualifier	Spike Level	% REC	% REC Limits
Surr: Tetrachloro-meta-xylene	6.58		24.5	26.9 #	41-112
Surr: Decachlorobiphenyl	19.4		24.5	79.2	49-122

Blank (B2H0901-BLK1)

Prepared: 8/9/2012 Analyzed: 8/16/2012

Targets

ANALYTE	Result µg/kg dry	Analyte Reporting Qualifiers	Limit
Aldrin	U		0.98
alpha-BHC	U		0.98
beta-BHC	U		0.98
delta-BHC	U		0.98
gamma-BHC (Lindane)	U		0.98
4,4'-DDD	U		0.98
4,4'-DDE	U		0.98
4,4'-DDT	U		0.98
Dieldrin	U		0.98
Endosulfan I	U		0.98
Endosulfan II	U		0.98
Endosulfan sulfate	U		0.98
Endrin	U		0.98
Endrin aldehyde	U		0.98
Endrin ketone	U		0.98
Heptachlor	U		0.98
Heptachlor epoxide	U		0.98
Methoxychlor	U		0.98
alpha-Chlordane	U		0.98
gamma-Chlordane	U		0.98



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Pesticide/PCB by OLM04.2 - GC/ECD - Quality Control

Batch: B2H0901

Sample Type: Solid

Blank (B2H0901-BLK1)

Prepared: 8/9/2012 Analyzed: 8/16/2012

Targets (Continued)

ANALYTE	Result µg/kg dry	Analyte Reporting Qualifiers	Limit
Toxaphene	U		29.4
Aroclor-1016	U		19.6
Aroclor-1221	U		39.1
Aroclor-1232	U		19.6
Aroclor-1242	U		19.6
Aroclor-1248	U		19.6
Aroclor-1254	U		19.6
Aroclor-1260	U		19.6

LCS (B2H0901-BS1)

Prepared: 8/9/2012 Analyzed: 8/16/2012

Surrogates

ANALYTE	Result µg/kg dry	Analyte Qualifier	Spike Level	%REC	%REC Limits
<i>Surr: Tetrachloro-meta-xylene</i>	4.28		24.9	17.2 #	41-112
<i>Surr: Decachlorobiphenyl</i>	22.1		24.9	88.7	49-122

LCS (B2H0901-BS1)

Prepared: 8/9/2012 Analyzed: 8/16/2012

Targets

ANALYTE	Result µg/kg dry	Analyte Reporting Qualifiers	Spike Limit	%REC	%REC Limits
Aldrin	5.58		1.00	24.9	22.4 21-107
alpha-BHC	5.58		1.00	24.9	22.4 22-100
beta-BHC	9.84		1.00	24.9	39.5 35-115
delta-BHC	11.1		1.00	24.9	44.7 41-123
gamma-BHC (Lindane)	6.48		1.00	24.9	26.0 # 35-108
4,4'-DDD	19.4		1.00	24.9	77.9 49-126



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Pesticide/PCB by OLM04.2 - GC/ECD - Quality Control

Batch: B2H0901

Sample Type: Solid

LCS (B2H0901-BS1)

Prepared: 8/9/2012 Analyzed: 8/16/2012

Targets (Continued)

ANALYTE	Result µg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
4,4'-DDE	14.0		1.00	24.9	56.3	35-123
4,4'-DDT	20.8		1.00	24.9	83.4	52-138
Dieldrin	13.0		1.00	24.9	52.2	43-124
Endosulfan I	10.2		1.00	24.9	41.1	40-121
Endosulfan II	18.9		1.00	24.9	75.8	57-129
Endosulfan sulfate	21.4		1.00	24.9	86.0	63-129
Endrin	13.1		1.00	24.9	52.4	51-122
Endrin aldehyde	18.0		1.00	24.9	72.2	31-112
Endrin ketone	21.2		1.00	24.9	85.0	62-133
Heptachlor	7.22		1.00	24.9	29.0	26-115
Heptachlor epoxide	9.46		1.00	24.9	38.0 #	39-116
Methoxychlor	24.4		1.00	24.9	97.9	60-140
alpha-Chlordane	9.99		1.00	24.9	40.1	36-118
gamma-Chlordane	10.6		1.00	24.9	42.4	38-113

Matrix Spike (B2H0901-MS1)

Source: 1208003-01

Prepared: 8/9/2012 Analyzed: 8/16/2012

Surrogates

ANALYTE	Result µg/kg dry	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: Tetrachloro-meta-xylene	10.9		46.9	23.3 #	41-112
Surr: Decachlorobiphenyl	37.6		46.9	80.2	49-122

Matrix Spike (B2H0901-MS1)

Source: 1208003-01

Prepared: 8/9/2012 Analyzed: 8/16/2012

Targets

ANALYTE	Result µg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
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Pesticide/PCB by OLM04.2 - GC/ECD - Quality Control

Batch: B2H0901

Sample Type: Solid

Matrix Spike (B2H0901-MS1)

Source: 1208003-01

Prepared: 8/9/2012 Analyzed: 8/16/2012

Targets (Continued)

ANALYTE	Result µg/kg dry	Analyte Reporting Qualifiers	Spike Limit	Source Level	Result	%REC	%REC Limits
Aldrin	22.0	1.88	46.9		47.0	32-103	
alpha-BHC	19.3	1.88	46.9		41.1	27-100	
beta-BHC	20.1	1.88	46.9		42.8	40-102	
delta-BHC	20.8	1.88	46.9		44.5	43-114	
gamma-BHC (Lindane)	20.5	1.88	46.9		43.8	41-100	
4,4'-DDD	31.5	1.88	46.9		67.3	49-129	
4,4'-DDE	28.7	1.88	46.9	2.00	57.0	41-118	
4,4'-DDT	34.9	1.88	46.9		74.4	50-147	
Dieldrin	28.1	1.88	46.9		60.0	43-119	
Endosulfan I	27.7	1.88	46.9		59.0	36-119	
Endosulfan II	31.3	1.88	46.9		66.8	53-125	
Endosulfan sulfate	31.3	1.88	46.9		66.8	54-126	
Endrin	31.2	1.88	46.9		66.5	44-135	
Endrin aldehyde	25.0	1.88	46.9		53.3	32-102	
Endrin ketone	35.0	1.88	46.9		74.6	44-140	
Heptachlor	28.2	1.88	46.9		60.2	30-116	
Heptachlor epoxide	30.8	1.88	46.9		65.6	38-117	
Methoxychlor	49.3	1.88	46.9		105	57-148	
alpha-Chlordane	24.0	1.88	46.9		51.3	45-112	
gamma-Chlordane	24.4	1.88	46.9		52.0	46-108	

Matrix Spike Dup (B2H0901-MSD1)

Source: 1208003-01

Prepared: 8/9/2012 Analyzed: 8/16/2012

Surrogates

ANALYTE	Result µg/kg dry	Analyte Qualifier	Spike Level	%REC	%REC Limits
<i>Surr: Tetrachloro-meta-xylene</i>	13.0		46.6	27.8#	41-112
<i>Surr: Decachlorobiphenyl</i>	35.4		46.6	76.0	49-122



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Pesticide/PCB by OLM04.2 - GC/ECD - Quality Control

Batch: B2H0901

Sample Type: Solid

Matrix Spike Dup (B2H0901-MSD1)

Source: 1208003-01

Prepared: 8/9/2012 Analyzed: 8/16/2012

Targets

ANALYTE	Result µg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit	
Aldrin	20.4		1.87	46.6		43.7	32-103	7.31	36
alpha-BHC	18.4		1.87	46.6		39.5	27-100	4.00	34
beta-BHC	18.6		1.87	46.6		40.0	40-102	6.87	25
delta-BHC	18.3		1.87	46.6		39.2	# 43-114	12.7	22
gamma-BHC (Lindane)	19.3		1.87	46.6		41.4	41-100	5.77	26
4,4'-DDD	27.3		1.87	46.6		58.6	49-129	13.7	31
4,4'-DDE	26.9		1.87	46.6	2.00	53.5	41-118	6.41	24
4,4'-DDT	31.4		1.87	46.6		67.4	50-147	9.94	33
Dieldrin	25.6		1.87	46.6		54.9	43-119	8.86	26
Endosulfan I	25.4		1.87	46.6		54.4	36-119	8.11	27
Endosulfan II	27.3		1.87	46.6		58.5	53-125	13.3	33
Endosulfan sulfate	29.0		1.87	46.6		62.2	54-126	7.05	29
Endrin	29.1		1.87	46.6		62.5	44-135	6.27	24
Endrin aldehyde	27.8		1.87	46.6		59.6	32-102	11.2	30
Endrin ketone	31.3		1.87	46.6		67.2	44-140	10.5	28
Heptachlor	25.0		1.87	46.6		53.6	30-116	11.5	33
Heptachlor epoxide	27.7		1.87	46.6		59.4	38-117	9.96	27
Methoxychlor	42.3		1.87	46.6		90.7	57-148	14.7	29
alpha-Chlordane	22.4		1.87	46.6		48.1	45-112	6.35	24
gamma-Chlordane	22.5		1.87	46.6		48.3	46-108	7.29	24



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Pesticide/PCB by OLM04.2 - GC/ECD - Quality Control

Batch: B2H1001

Sample Type: Solid

Blank (B2H1001-BLK1)

Prepared: 8/10/2012 Analyzed: 8/16/2012

Surrogates

ANALYTE	Result µg/kg dry	Analyte Qualifier	Spike Level	% REC	% REC Limits
Surr: Tetrachloro-meta-xylene	11.7		24.8	47.0	41-112
Surr: Decachlorobiphenyl	23.8		24.8	96.1	49-122

Blank (B2H1001-BLK1)

Prepared: 8/10/2012 Analyzed: 8/16/2012

Targets

ANALYTE	Result µg/kg dry	Analyte Reporting Qualifiers	Limit
Aldrin	U		0.99
alpha-BHC	U		0.99
beta-BHC	U		0.99
delta-BHC	U		0.99
gamma-BHC (Lindane)	U		0.99
4,4'-DDD	U		0.99
4,4'-DDE	U		0.99
4,4'-DDT	U		0.99
Dieldrin	U		0.99
Endosulfan I	U		0.99
Endosulfan II	U		0.99
Endosulfan sulfate	U		0.99
Endrin	U		0.99
Endrin aldehyde	U		0.99
Endrin ketone	U		0.99
Heptachlor	U		0.99
Heptachlor epoxide	U		0.99
Methoxychlor	U		0.99
alpha-Chlordane	U		0.99
gamma-Chlordane	U		0.99



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Pesticide/PCB by OLM04.2 - GC/ECD - Quality Control

Batch: B2H1001

Sample Type: Solid

Blank (B2H1001-BLK1)

Prepared: 8/10/2012 Analyzed: 8/16/2012

Targets (Continued)

ANALYTE	Result µg/kg dry	Analyte Reporting Qualifiers	Limit
Toxaphene	U		29.8
Aroclor-1016	U		19.8
Aroclor-1221	U		39.7
Aroclor-1232	U		19.8
Aroclor-1242	U		19.8
Aroclor-1248	U		19.8
Aroclor-1254	U		19.8
Aroclor-1260	U		19.8

LCS (B2H1001-BS1)

Prepared: 8/10/2012 Analyzed: 8/16/2012

Surrogates

ANALYTE	Result µg/kg dry	Analyte Qualifier	Spike Level	%REC	%REC Limits
<i>Surr: Tetrachloro-meta-xylene</i>	11.6		24.7	46.7	41-112
<i>Surr: Decachlorobiphenyl</i>	23.4		24.7	94.6	49-122

LCS (B2H1001-BS1)

Prepared: 8/10/2012 Analyzed: 8/16/2012

Targets

ANALYTE	Result µg/kg dry	Analyte Reporting Qualifiers	Spike Limit	%REC	%REC Limits
Aldrin	13.3	0.99	24.7	53.7	21-107
alpha-BHC	13.8	0.99	24.7	55.6	22-100
beta-BHC	16.2	0.99	24.7	65.6	35-115
delta-BHC	18.1	0.99	24.7	73.3	41-123
gamma-BHC (Lindane)	14.5	0.99	24.7	58.6	35-108
4,4'-DDD	22.5	0.99	24.7	91.0	49-126



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Pesticide/PCB by OLM04.2 - GC/ECD - Quality Control

Batch: B2H1001

Sample Type: Solid

LCS (B2H1001-BS1)

Prepared: 8/10/2012 Analyzed: 8/16/2012

Targets (Continued)

ANALYTE	Result µg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
4,4'-DDE	21.4	0.99	24.7		86.6	35-123
4,4'-DDT	24.7	0.99	24.7		99.9	52-138
Dieldrin	19.3	0.99	24.7		78.0	43-124
Endosulfan I	17.6	0.99	24.7		71.1	40-121
Endosulfan II	23.1	0.99	24.7		93.5	57-129
Endosulfan sulfate	23.9	0.99	24.7		96.8	63-129
Endrin	20.4	0.99	24.7		82.5	51-122
Endrin aldehyde	19.1	0.99	24.7		77.0	31-112
Endrin ketone	23.5	0.99	24.7		95.0	62-133
Heptachlor	15.9	0.99	24.7		64.2	26-115
Heptachlor epoxide	18.2	0.99	24.7		73.5	39-116
Methoxychlor	26.2	0.99	24.7		106	60-140
alpha-Chlordane	16.0	0.99	24.7		64.6	36-118
gamma-Chlordane	18.5	0.99	24.7		74.7	38-113



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Pesticide/PCB by OLM04.2 - GC/ECD - Quality Control

Batch: B2H1404

Sample Type: Solid

Blank (B2H1404-BLK1)

Prepared: 8/15/2012 Analyzed: 8/23/2012

Surrogates

ANALYTE	Result µg/kg dry	Analyte Qualifier	Spike Level	% REC	% REC Limits
<i>Surr: Tetrachloro-meta-xylene</i>	12.9		23.9	54.1	41-112
<i>Surr: Decachlorobiphenyl</i>	15.7		23.9	65.8	49-122

Blank (B2H1404-BLK1)

Prepared: 8/15/2012 Analyzed: 8/23/2012

Targets

ANALYTE	Result µg/kg dry	Analyte Reporting Qualifiers	Limit
Aldrin	U		0.95
alpha-BHC	U		0.95
beta-BHC	U		0.95
delta-BHC	U		0.95
gamma-BHC (Lindane)	U		0.95
4,4'-DDD	U		0.95
4,4'-DDE	U		0.95
4,4'-DDT	U		0.95
Dieldrin	U		0.95
Endosulfan I	U		0.95
Endosulfan II	U		0.95
Endosulfan sulfate	U		0.95
Endrin	U		0.95
Endrin aldehyde	U		0.95
Endrin ketone	U		0.95
Heptachlor	U		0.95
Heptachlor epoxide	U		0.95
Methoxychlor	U		0.95
alpha-Chlordane	U		0.95
gamma-Chlordane	U		0.95



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Pesticide/PCB by OLM04.2 - GC/ECD - Quality Control

Batch: B2H1404

Sample Type: Solid

Blank (B2H1404-BLK1)

Prepared: 8/15/2012 Analyzed: 8/23/2012

Targets (Continued)

ANALYTE	Result µg/kg dry	Analyte Qualifiers	Reporting Limit
Toxaphene	U		28.6
Aroclor-1016	U		19.1
Aroclor-1221	U		38.2
Aroclor-1232	U		19.1
Aroclor-1242	U		19.1
Aroclor-1248	U		19.1
Aroclor-1254	U		19.1
Aroclor-1260	U		19.1

LCS (B2H1404-BS1)

Prepared: 8/15/2012 Analyzed: 8/23/2012

Surrogates

ANALYTE	Result µg/kg dry	Analyte Qualifier	Spike Level	%REC	%REC Limits
<i>Surr: Tetrachloro-meta-xylene</i>	10.7		24.2	44.1	41-112
<i>Surr: Decachlorobiphenyl</i>	13.4		24.2	55.3	49-122

LCS (B2H1404-BS1)

Prepared: 8/15/2012 Analyzed: 8/23/2012

Targets

ANALYTE	Result µg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Aldrin	11.1		0.97	24.2	46.1	21-107
alpha-BHC	12.2		0.97	24.2	50.6	22-100
beta-BHC	12.0		0.97	24.2	49.6	35-115
delta-BHC	13.6		0.97	24.2	56.1	41-123
gamma-BHC (Lindane)	12.2		0.97	24.2	50.5	35-108
4,4'-DDD	15.1		0.97	24.2	62.7	49-126



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Pesticide/PCB by OLM04.2 - GC/ECD - Quality Control

Batch: B2H1404

Sample Type: Solid

LCS (B2H1404-BS1)

Prepared: 8/15/2012 Analyzed: 8/23/2012

Targets (Continued)

ANALYTE	Result µg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
4,4'-DDE	13.4	0.97	24.2		55.3	35-123
4,4'-DDT	15.4	0.97	24.2		63.5	52-138
Dieldrin	13.8	0.97	24.2		57.2	43-124
Endosulfan I	12.3	0.97	24.2		51.0	40-121
Endosulfan II	14.8	0.97	24.2		61.4	57-129
Endosulfan sulfate	15.7	0.97	24.2		64.8	63-129
Endrin	13.2	0.97	24.2		54.8	51-122
Endrin aldehyde	11.9	0.97	24.2		49.4	31-112
Endrin ketone	16.4	0.97	24.2		67.7	62-133
Heptachlor	12.0	0.97	24.2		49.8	26-115
Heptachlor epoxide	12.9	0.97	24.2		53.3	39-116
Methoxychlor	15.4	0.97	24.2		63.8	60-140
alpha-Chlordane	12.5	0.97	24.2		51.9	36-118
gamma-Chlordane	12.2	0.97	24.2		50.6	38-113



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Metals by CLP ILMO5.3 - ICP - Quality Control

Batch: B2H2002

Sample Type: Liquid

Blank (B2H2002-BLK1)

Prepared: 8/20/2012 Analyzed: 8/29/2012

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Aluminum	U		100
Barium	U		10.0
Beryllium	U		5.0
Cadmium	U		5.0
Calcium	U		150
Chromium	U		10.0
Cobalt	U		20.0
Copper	U		20.0
Iron	U		25.0
Magnesium	U		150
Manganese	U		5.0
Nickel	U		20.0
Potassium	U		1,000
Silver	U		10.0
Sodium	U		500
Vanadium	U		20.0
Zinc	U		20.0

LCS (B2H2002-BS1)

Prepared: 8/20/2012 Analyzed: 8/29/2012

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Aluminum	987		100	1,000	98.7	75-125
Barium	1,790		10.0	2,000	89.7	75-125
Beryllium	46.0		5.0	50.0	92.0	75-125
Cadmium	44.6		5.0	50.0	89.2	75-125
Calcium	91,200		150	100,000	91.2	75-125



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Metals by CLP ILMO5.3 - ICP - Quality Control

Batch: B2H2002

Sample Type: Liquid

LCS (B2H2002-BS1)

Prepared: 8/20/2012 Analyzed: 8/29/2012

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Chromium	368		10.0	400	92.1	75-125
Cobalt	177		20.0	200	88.6	75-125
Copper	366		20.0	400	91.5	75-125
Iron	909		25.0	1,000	90.9	75-125
Magnesium	94,900		150	100,000	94.9	75-125
Manganese	359		5.0	400	89.7	75-125
Nickel	342		20.0	400	85.6	75-125
Potassium	97,700		1,000	100,000	97.7	75-125
Silver	45.0		10.0	50.0	89.9	75-125
Sodium	95,300		500	100,000	95.3	75-125
Vanadium	379		20.0	400	94.7	75-125
Zinc	868		20.0	1,000	86.8	75-125

Matrix Spike (B2H2002-MS1)

Source: 1208005-15

Prepared: 8/20/2012 Analyzed: 8/29/2012

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Aluminum	1,660		100	1,000	325	133 #	75-125
Barium	1,890		10.0	2,000	72.6	91.0	75-125
Beryllium	47.1		5.0	50.0	0.05	94.1	75-125
Cadmium	45.0		5.0	50.0		90.0	75-125
Calcium	114,000		150	100,000	23,300	91.1	75-125
Chromium	374		10.0	400	1.3	93.1	75-125
Cobalt	181		20.0	200	0.4	90.1	75-125
Copper	380		20.0	400	3.6	94.1	75-125
Iron	1,510		25.0	1,000	559	95.3	75-125
Magnesium	106,000		150	100,000	10,200	96.2	75-125



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Metals by CLP ILMO5.3 - ICP - Quality Control

Batch: B2H2002

Sample Type: Liquid

Matrix Spike (B2H2002-MS1)

Source: 1208005-15

Prepared: 8/20/2012 Analyzed: 8/29/2012

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	Limits
Manganese	496		5.0	400	139	89.1	75-125
Nickel	346		20.0	400	1.9	85.9	75-125
Potassium	104,000		1,000	100,000	3,550	100	75-125
Silver	45.9		10.0	50.0	0.4	90.9	75-125
Sodium	131,000		500	100,000	33,600	97.0	75-125
Vanadium	389		20.0	400	2.9	96.6	75-125
Zinc	877		20.0	1,000	4.7	87.2	75-125

Matrix Spike (B2H2002-MS2)

Source: 1208006-11

Prepared: 8/20/2012 Analyzed: 8/29/2012

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	Limits
Aluminum	1,650		100	1,000	319	133	# 75-125
Barium	1,890		10.0	2,000	118	88.6	75-125
Beryllium	46.2		5.0	50.0	0.1	92.2	75-125
Cadmium	44.1		5.0	50.0		88.2	75-125
Calcium	113,000		150	100,000	23,500	89.1	75-125
Chromium	366		10.0	400	1.2	91.1	75-125
Cobalt	176		20.0	200	0.6	87.7	75-125
Copper	370		20.0	400	3.7	91.6	75-125
Iron	1,670		25.0	1,000	706	95.9	75-125
Magnesium	104,000		150	100,000	10,100	94.2	75-125
Manganese	487		5.0	400	142	86.4	75-125
Nickel	337		20.0	400	0.9	84.0	75-125
Potassium	102,000		1,000	100,000	3,600	98.2	75-125
Silver	46.4		10.0	50.0	0.7	91.3	75-125
Sodium	128,000		500	100,000	33,600	94.6	75-125



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Metals by CLP ILMO5.3 - ICP - Quality Control

Batch: B2H2002

Sample Type: Liquid

Matrix Spike (B2H2002-MS2)

Source: 1208006-11

Prepared: 8/20/2012 Analyzed: 8/29/2012

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	Limits
Vanadium	380		20.0	400	2.6	94.2	75-125
Zinc	860		20.0	1,000	6.2	85.4	75-125

Matrix Spike Dup (B2H2002-MSD1)

Source: 1208005-15

Prepared: 8/20/2012 Analyzed: 8/29/2012

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	RPD RPD	Limit	
Aluminum	1,610		100	1,000	325	129	# 75-125	2.88	20
Barium	1,870		10.0	2,000	72.6	90.0	75-125	1.05	20
Beryllium	46.9		5.0	50.0	0.05	93.7	75-125	0.50	20
Cadmium	44.8		5.0	50.0		89.7	75-125	0.42	20
Calcium	114,000		150	100,000	23,300	90.3	75-125	0.71	20
Chromium	372		10.0	400	1.3	92.6	75-125	0.45	20
Cobalt	180		20.0	200	0.4	89.9	75-125	0.16	20
Copper	374		20.0	400	3.6	92.5	75-125	1.74	20
Iron	1,490		25.0	1,000	559	92.6	75-125	1.78	20
Magnesium	106,000		150	100,000	10,200	95.4	75-125	0.75	20
Manganese	491		5.0	400	139	87.8	75-125	0.98	20
Nickel	345		20.0	400	1.9	85.8	75-125	0.18	20
Potassium	103,000		1,000	100,000	3,550	99.2	75-125	1.02	20
Silver	46.1		10.0	50.0	0.4	91.4	75-125	0.52	20
Sodium	129,000		500	100,000	33,600	95.4	75-125	1.20	20
Vanadium	384		20.0	400	2.9	95.2	75-125	1.44	20
Zinc	873		20.0	1,000	4.7	86.8	75-125	0.46	20



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Metals by CLP ILMO5.3 - ICP - Quality Control

Batch: B2H2002

Sample Type: Liquid

Matrix Spike Dup (B2H2002-MSD2)

Source: 1208006-11

Prepared: 8/20/2012 Analyzed: 8/29/2012

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit	
Aluminum	1,670		100	1,000	319	135 #	75-125	1.23	20
Barium	1,910		10.0	2,000	118	89.5	75-125	1.00	20
Beryllium	46.4		5.0	50.0	0.1	92.6	75-125	0.53	20
Cadmium	44.2		5.0	50.0		88.5	75-125	0.32	20
Calcium	113,000		150	100,000	23,500	89.3	75-125	0.13	20
Chromium	369		10.0	400	1.2	92.0	75-125	0.92	20
Cobalt	178		20.0	200	0.6	88.5	75-125	0.88	20
Copper	375		20.0	400	3.7	92.8	75-125	1.23	20
Iron	1,680		25.0	1,000	706	96.9	75-125	0.60	20
Magnesium	105,000		150	100,000	10,100	94.7	75-125	0.46	20
Manganese	488		5.0	400	142	86.5	75-125	0.13	20
Nickel	340		20.0	400	0.9	84.9	75-125	1.00	20
Potassium	103,000		1,000	100,000	3,600	99.0	75-125	0.78	20
Silver	45.4		10.0	50.0	0.7	89.3	75-125	2.17	20
Sodium	128,000		500	100,000	33,600	94.3	75-125	0.27	20
Vanadium	384		20.0	400	2.6	95.2	75-125	1.05	20
Zinc	872		20.0	1,000	6.2	86.6	75-125	1.39	20



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Metals by CLP ILMO5.3 - ICP - Quality Control

Batch: B2H2204

Sample Type: Solid

Blank (B2H2204-BLK1)

Prepared: 8/22/2012 Analyzed: 9/4/2012

Targets

ANALYTE	Result mg/kg wet	Analyte Reporting Qualifiers	Limit
Aluminum	U		10.0
Barium	U		1.0
Beryllium	U		0.5
Cadmium	U		0.5
Calcium	U		15.0
Chromium	U		1.0
Cobalt	U		2.0
Copper	U		2.0
Iron	U		2.5
Magnesium	U		15.0
Manganese	U		0.5
Nickel	U		2.0
Potassium	U		100
Silver	U		1.0
Sodium	U		50.0
Vanadium	U		2.0
Zinc	U		2.0

Blank (B2H2204-BLK2)

Prepared: 8/22/2012 Analyzed: 9/4/2012

Targets

ANALYTE	Result mg/kg wet	Analyte Reporting Qualifiers	Limit
Aluminum	U		10.0
Barium	U		1.0
Beryllium	U		0.5
Cadmium	U		0.5
Calcium	U		15.0



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Metals by CLP ILMO5.3 - ICP - Quality Control

Batch: B2H2204

Sample Type: Solid

Blank (B2H2204-BLK2)

Prepared: 8/22/2012 Analyzed: 9/4/2012

Targets (Continued)

ANALYTE	Result mg/kg wet	Analyte Qualifiers	Reporting Limit
Chromium	U		1.0
Cobalt	U		2.0
Copper	U		2.0
Iron	U		2.5
Magnesium	U		15.0
Manganese	U		0.5
Nickel	U		2.0
Potassium	U		100
Silver	U		1.0
Sodium	U		50.0
Vanadium	U		2.0
Zinc	U		2.0

LCS (B2H2204-BS1)

Prepared: 8/22/2012 Analyzed: 9/4/2012

Targets

ANALYTE	Result mg/kg wet	Analyte Qualifiers	Reporting Limit	Spike Level	%REC %REC	Limits
Aluminum	99.1		10.0	100	99.1	75-125
Barium	183		1.0	200	91.4	75-125
Beryllium	4.7		0.5	5.00	94.4	75-125
Cadmium	4.6		0.5	5.00	91.6	75-125
Calcium	9,190		15.0	10,000	91.9	75-125
Chromium	37.4		1.0	40.0	93.4	75-125
Cobalt	18.0		2.0	20.0	89.8	75-125
Copper	36.9		2.0	40.0	92.3	75-125
Iron	92.4		2.5	100	92.4	75-125
Magnesium	9,560		15.0	10,000	95.6	75-125



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Metals by CLP ILMO5.3 - ICP - Quality Control

Batch: B2H2204

Sample Type: Solid

LCS (B2H2204-BS1)

Prepared: 8/22/2012 Analyzed: 9/4/2012

Targets (Continued)

ANALYTE	Result mg/kg wet	Analyte Qualifiers	Reporting Limit	Spike Level	%REC %REC	Limits
Manganese	36.3		0.5	40.0	90.8	75-125
Nickel	34.8		2.0	40.0	87.1	75-125
Potassium	9,770		100	10,000	97.7	75-125
Silver	4.5		1.0	5.00	90.1	75-125
Sodium	9,500		50.0	10,000	95.0	75-125
Vanadium	38.1		2.0	40.0	95.2	75-125
Zinc	89.5		2.0	100	89.5	75-125

Matrix Spike (B2H2204-MS1)

Source: 1208005-05

Prepared: 8/22/2012 Analyzed: 9/4/2012

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	Limits
Aluminum	7,180		13.2	132	4,030	NR #	75-125
Barium	772		1.3	263	683	33.7 #	75-125
Beryllium	6.8		0.7	6.59	0.4	97.0	75-125
Cadmium	11.3		0.7	6.59	5.8	83.5	75-125
Calcium	28,300		19.8	13,200	17,300	83.4	75-125
Chromium	341		1.3	52.7	327	26.9 #	75-125
Cobalt	30.5		2.6	26.3	7.5	87.6	75-125
Copper	124		2.6	52.7	73.6	94.8	75-125
Iron	15,300		3.3	132	16,200	NR #	75-125
Magnesium	15,400		19.8	13,200	2,390	98.7	75-125
Manganese	568		0.7	52.7	569	NR #	75-125
Nickel	60.9		2.6	52.7	16.3	84.7	75-125
Potassium	14,400		132	13,200	904	102	75-125
Silver	9.1		1.3	6.59	5.0	61.7 #	75-125
Sodium	13,500		65.9	13,200	467	99.1	75-125



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Metals by CLP ILMO5.3 - ICP - Quality Control

Batch: B2H2204

Sample Type: Solid

Matrix Spike (B2H2204-MS1)

Source: 1208005-05

Prepared: 8/22/2012 Analyzed: 9/4/2012

Targets (Continued)

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	%REC Limits
Vanadium	68.0		2.6	52.7	14.8	101	75-125
Zinc	1,210		2.6	132	1,200	7.76 #	75-125

Matrix Spike (B2H2204-MS2)

Source: 1208006-04

Prepared: 8/22/2012 Analyzed: 9/4/2012

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	%REC Limits
Aluminum	13,400		16.0	160	8,420	NR #	75-125
Barium	1,950		1.6	320	1,890	16.4 #	75-125
Beryllium	8.4		0.8	8.01	0.7	95.2	75-125
Cadmium	8.7		0.8	8.01	1.7	87.2	75-125
Calcium	24,000		24.0	16,000	9,450	90.9	75-125
Chromium	155		1.6	64.1	98.0	89.6	75-125
Cobalt	37.9		3.2	32.0	9.4	89.1	75-125
Copper	101		3.2	64.1	41.3	93.0	75-125
Iron	16,600		4.0	160	15,900	438 #	75-125
Magnesium	19,900		24.0	16,000	3,790	100	75-125
Manganese	362		0.8	64.1	304	90.4	75-125
Nickel	72.9		3.2	64.1	17.4	86.6	75-125
Potassium	17,400		160	16,000	1,500	99.1	75-125
Silver	7.3		1.6	8.01	0.02	90.4	75-125
Sodium	16,200		80.1	16,000	498	97.9	75-125
Vanadium	90.6		3.2	64.1	24.4	103	75-125
Zinc	534		3.2	160	430	65.0 #	75-125



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Metals by CLP ILMO5.3 - ICP - Quality Control

Batch: B2H2204

Sample Type: Solid

Matrix Spike (B2H2204-MS3)

Source: 1208007-07

Prepared: 8/22/2012 Analyzed: 9/4/2012

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	%REC Limits
Aluminum	19,600		18.6	186	15,500	NR	# 75-125
Barium	513		1.9	372	191	86.7	75-125
Beryllium	9.6		0.9	9.29	1.3	89.6	75-125
Cadmium	7.9		0.9	9.29		84.9	75-125
Calcium	21,700		27.9	18,600	5,450	87.7	75-125
Chromium	78.4		1.9	74.3	9.8	92.3	75-125
Cobalt	50.4		3.7	37.2	19.8	82.4	75-125
Copper	82.3		3.7	74.3	23.9	78.5	75-125
Iron	41,800		4.6	186	44,100	NR	# 75-125
Magnesium	24,900		27.9	18,600	6,980	96.2	75-125
Manganese	418		0.9	74.3	412	9.12	# 75-125
Nickel	92.8		3.7	74.3	31.8	82.0	75-125
Potassium	20,600		186	18,600	2,240	98.9	75-125
Silver	6.5		1.9	9.29		69.9	# 75-125
Sodium	18,600		92.9	18,600	1,180	93.6	75-125
Vanadium	107		3.7	74.3	36.2	95.0	75-125
Zinc	233		3.7	186	80.9	82.0	75-125

Matrix Spike Dup (B2H2204-MSD1)

Source: 1208005-05

Prepared: 8/22/2012 Analyzed: 9/4/2012

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD Limit
Aluminum	6,260		13.0	130	4,030	NR	# 75-125	13.7 20
Barium	860		1.3	260	683	67.8	# 75-125	10.8 20
Beryllium	6.6		0.7	6.51	0.4	94.9	75-125	3.02 20
Cadmium	11.1		0.7	6.51	5.8	81.8	75-125	1.53 20
Calcium	25,700		19.5	13,000	17,300	65.0	# 75-125	9.34 20



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Batch: B2H2204

Sample Type: Solid

Matrix Spike Dup (B2H2204-MSD1)

Source: 1208005-05

Prepared: 8/22/2012 Analyzed: 9/4/2012

Targets (Continued)

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit
Chromium	331		1.3	52.1	327	6.96 #	75-125	3.14 20
Cobalt	30.2		2.6	26.0	7.5	87.3	75-125	1.09 20
Copper	122		2.6	52.1	73.6	92.1	75-125	1.64 20
Iron	15,700		3.3	130	16,200	NR #	75-125	2.72 20
Magnesium	15,000		19.5	13,000	2,390	96.7	75-125	2.71 20
Manganese	543		0.7	52.1	569	NR #	75-125	4.47 20
Nickel	60.8		2.6	52.1	16.3	85.4	75-125	0.18 20
Potassium	14,000		130	13,000	904	100	75-125	2.93 20
Silver	8.9		1.3	6.51	5.0	59.5 #	75-125	2.12 20
Sodium	13,300		65.1	13,000	467	98.2	75-125	1.95 20
Vanadium	64.8		2.6	52.1	14.8	96.0	75-125	4.82 20
Zinc	1,270		2.6	130	1,200	54.0 #	75-125	4.85 20

Matrix Spike Dup (B2H2204-MSD2)

Source: 1208006-04

Prepared: 8/22/2012 Analyzed: 9/4/2012

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit
Aluminum	13,500		15.0	150	8,420	NR #	75-125	1.12 20
Barium	2,360		1.5	301	1,890	154 #	75-125	19.1 20
Beryllium	8.0		0.8	7.51	0.7	96.3	75-125	4.84 20
Cadmium	7.9		0.8	7.51	1.7	81.5	75-125	10.5 20
Calcium	21,900		22.5	15,000	9,450	82.7	75-125	9.30 20
Chromium	126		1.5	60.1	98.0	46.4 #	75-125	21.0 # 20
Cobalt	37.2		3.0	30.1	9.4	92.5	75-125	1.96 20
Copper	95.6		3.0	60.1	41.3	90.4	75-125	5.35 20
Iron	15,800		3.8	150	15,900	NR #	75-125	4.99 20
Magnesium	19,200		22.5	15,000	3,790	103	75-125	3.36 20



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Batch: B2H2204

Sample Type: Solid

Matrix Spike Dup (B2H2204-MSD2)

Source: 1208006-04

Prepared: 8/22/2012 Analyzed: 9/4/2012

Targets (Continued)

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit	
Manganese	332		0.8	60.1	304	46.7 #	75-125	8.63	20
Nickel	69.6		3.0	60.1	17.4	87.0	75-125	4.55	20
Potassium	16,700		150	15,000	1,500	101	75-125	3.76	20
Silver	6.9		1.5	7.51	0.02	91.0	75-125	5.79	20
Sodium	15,400		75.1	15,000	498	99.3	75-125	4.80	20
Vanadium	85.7		3.0	60.1	24.4	102	75-125	5.50	20
Zinc	440		3.0	150	430	6.69 #	75-125	19.3	20

Matrix Spike Dup (B2H2204-MSD3)

Source: 1208007-07

Prepared: 8/22/2012 Analyzed: 9/4/2012

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit	
Aluminum	21,600		18.0	180	15,500	NR #	75-125	9.88	20
Barium	540		1.8	359	191	97.1	75-125	5.10	20
Beryllium	9.1		0.9	8.99	1.3	86.7	75-125	5.74	20
Cadmium	7.8		0.9	8.99		86.4	75-125	1.63	20
Calcium	21,500		27.0	18,000	5,450	89.2	75-125	1.18	20
Chromium	76.8		1.8	71.9	9.8	93.2	75-125	2.02	20
Cobalt	51.9		3.6	35.9	19.8	89.4	75-125	3.01	20
Copper	78.6		3.6	71.9	23.9	76.1	75-125	4.59	20
Iron	43,100		4.5	180	44,100	NR #	75-125	3.18	20
Magnesium	25,000		27.0	18,000	6,980	100	75-125	0.66	20
Manganese	534		0.9	71.9	412	170 #	75-125	24.2 #	20
Nickel	92.7		3.6	71.9	31.8	84.7	75-125	0.09	20
Potassium	20,200		180	18,000	2,240	99.8	75-125	2.18	20
Silver	6.0		1.8	8.99		67.3 #	75-125	7.20	20
Sodium	17,800		89.9	18,000	1,180	92.7	75-125	4.00	20



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Metals by CLP ILMO5.3 - ICP - Quality Control

Batch: B2H2204

Sample Type: Solid

Matrix Spike Dup (B2H2204-MSD3)

Source: 1208007-07

Prepared: 8/22/2012 Analyzed: 9/4/2012

Targets (Continued)

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit
Vanadium	97.2		3.6	71.9	36.2	84.7	75-125	9.49 20
Zinc	232		3.6	180	80.9	84.1	75-125	0.51 20

Reference (B2H2204-SRM1)

Prepared: 8/22/2012 Analyzed: 9/4/2012

Targets

ANALYTE	Result mg/kg wet	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit
Aluminum	97.8		9.9	115		85.0	47.6-152	
Barium	1.8		1.0	1.60		112	62.5-137	
Beryllium	4.8		0.5	4.90		98.3	61.2-138	
Cadmium	9.8		0.5	10.9		90.0	70.6-128	
Calcium	45,800		14.8	44,200		104	68.6-131	
Chromium	25.3		1.0	27.1		93.5	68.3-131	
Cobalt	35.9		2.0	37.4		95.9	64.7-135	
Copper	1,680		2.0	1,770		94.8	74.6-126	
Iron	6,270		2.5	6,470		96.8	66.2-133	
Magnesium	29,400		14.8	29,200		101	70.2-129	
Manganese	57.2		0.5	61.0		93.7	68.2-132	
Nickel	15.2		2.0	16.3		93.0	55.2-145	
Potassium	43.3		98.6	39.7		109	0-215	
Silver	10.4		1.0	5.90		177	# 45.8-154	
Sodium	21.6		49.3	72.5		29.8	0-298	
Vanadium	16.8		2.0	17.6		95.7	65.9-134	
Zinc	41.2		2.0	47.5		86.8	43.2-156	



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Metals by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B2H2003

Sample Type: Liquid

Blank (B2H2003-BLK1)

Prepared: 8/20/2012 Analyzed: 8/31/2012

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Antimony	U		2.0
Arsenic	U		2.0
Lead	U		2.0
Selenium	U		2.0
Thallium	U		2.0

LCS (B2H2003-BS1)

Prepared: 8/20/2012 Analyzed: 8/31/2012

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC %REC	%REC Limits
Antimony	210		2.0	200	105	85-115
Arsenic	218		2.0	200	109	85-115
Lead	212		2.0	200	106	85-115
Selenium	219		2.0	200	110	85-115
Thallium	211		2.0	200	106	85-115

Matrix Spike (B2H2003-MS1)

Source: 1208005-15

Prepared: 8/20/2012 Analyzed: 8/31/2012

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	%REC Limits
Antimony	208		2.0	200	0.2	104	70-130
Arsenic	226		2.0	200	2.4	112	70-130
Lead	218		2.0	200	1.0	108	70-130
Selenium	221		2.0	200	1.2	110	70-130
Thallium	217		2.0	200	0.6	108	70-130



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Metals by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B2H2003

Sample Type: Liquid

Matrix Spike (B2H2003-MS2)

Source: 1208006-11

Prepared: 8/20/2012 Analyzed: 8/31/2012

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	Limits
Antimony	207		2.0	200	0.2	103	70-130
Arsenic	228		2.0	200	2.3	113	70-130
Lead	218		2.0	200	1.3	109	70-130
Selenium	226		2.0	200	0.8	113	70-130
Thallium	218		2.0	200	0.5	109	70-130

Matrix Spike Dup (B2H2003-MSD1)

Source: 1208005-15

Prepared: 8/20/2012 Analyzed: 8/31/2012

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	RPD RPD	Limit	
Antimony	202		2.0	200	0.2	101	70-130	2.64	20
Arsenic	221		2.0	200	2.4	110	70-130	2.18	20
Lead	210		2.0	200	1.0	105	70-130	3.55	20
Selenium	217		2.0	200	1.2	108	70-130	1.83	20
Thallium	210		2.0	200	0.6	105	70-130	3.02	20

Matrix Spike Dup (B2H2003-MSD2)

Source: 1208006-11

Prepared: 8/20/2012 Analyzed: 8/31/2012

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	RPD RPD	Limit	
Antimony	205		2.0	200	0.2	102	70-130	1.19	20
Arsenic	224		2.0	200	2.3	111	70-130	2.10	20
Lead	216		2.0	200	1.3	107	70-130	1.20	20
Selenium	224		2.0	200	0.8	111	70-130	1.03	20
Thallium	216		2.0	200	0.5	108	70-130	0.91	20



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Metals by CLP ILM05.3 - ICP/MS - Quality Control

Batch: B2H2205

Sample Type: Solid

Blank (B2H2205-BLK1)

Prepared: 8/22/2012 Analyzed: 9/4/2012

Targets

ANALYTE	Result mg/kg wet	Analyte Qualifiers	Reporting Limit
Antimony	U		1.0
Arsenic	U		1.0
Lead	U		1.0
Selenium	U		1.0
Thallium	U		1.0

Blank (B2H2205-BLK2)

Prepared: 8/22/2012 Analyzed: 9/4/2012

Targets

ANALYTE	Result mg/kg wet	Analyte Qualifiers	Reporting Limit
Antimony	U		1.0
Arsenic	U		1.0
Lead	U		1.0
Selenium	U		1.0
Thallium	U		1.0

LCS (B2H2205-BS1)

Prepared: 8/22/2012 Analyzed: 9/4/2012

Targets

ANALYTE	Result mg/kg wet	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Antimony	21.0		1.0	20.0	105	85-115
Arsenic	21.3		1.0	20.0	106	85-115
Lead	21.9		1.0	20.0	109	85-115
Selenium	21.8		1.0	20.0	109	85-115
Thallium	21.3		1.0	20.0	107	85-115



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Metals by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B2H2205

Sample Type: Solid

Matrix Spike (B2H2205-MS1)

Source: 1208005-05

Prepared: 8/22/2012 Analyzed: 9/4/2012

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	Limits
Antimony	14.8		1.3	25.5	4.8	39.1 #	75-125
Arsenic	56.6		1.3	25.5	28.6	110	75-125
Lead	833		1.3	25.5	803	118	75-125
Selenium	27.3		1.3	25.5	1.2	102	75-125
Thallium	18.0		1.3	25.5	0.8	67.4 #	75-125

Matrix Spike (B2H2205-MS2)

Source: 1208006-04

Prepared: 8/22/2012 Analyzed: 9/4/2012

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	Limits
Antimony	6.4		1.5	30.4	1.1	17.6 #	75-125
Arsenic	47.5		1.5	30.4	18.1	96.6	75-125
Lead	197		1.5	30.4	194	11.2 #	75-125
Selenium	35.3		1.5	30.4	2.8	107	75-125
Thallium	24.5		1.5	30.4	0.4	79.1	75-125

Matrix Spike (B2H2205-MS3)

Source: 1208007-07

Prepared: 8/22/2012 Analyzed: 9/4/2012

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	Limits
Antimony	3.2		1.9	37.1	0.09	8.38 #	75-125
Arsenic	66.1		1.9	37.1	24.0	113	75-125
Lead	57.8		1.9	37.1	20.9	99.6	75-125
Selenium	35.4		1.9	37.1	1.3	91.8	75-125
Thallium	38.6		1.9	37.1	0.6	102	75-125



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Metals by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B2H2205

Sample Type: Solid

Matrix Spike Dup (B2H2205-MSD1)

Source: 1208005-05

Prepared: 8/22/2012 Analyzed: 9/4/2012

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit
Antimony	14.1		1.3	25.7	4.8	36.1 #	75-125	4.80 20
Arsenic	55.9		1.3	25.7	28.6	106	75-125	1.21 20
Lead	882		1.3	25.7	803	308 #	75-125	5.71 20
Selenium	25.8		1.3	25.7	1.2	95.6	75-125	5.50 20
Thallium	17.6		1.3	25.7	0.8	65.0 #	75-125	2.57 20

Matrix Spike Dup (B2H2205-MSD2)

Source: 1208006-04

Prepared: 8/22/2012 Analyzed: 9/4/2012

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit
Antimony	5.8		1.5	30.7	1.1	15.2 #	75-125	10.9 20
Arsenic	46.8		1.5	30.7	18.1	93.6	75-125	1.42 20
Lead	198		1.5	30.7	194	14.1 #	75-125	0.46 20
Selenium	34.2		1.5	30.7	2.8	102	75-125	3.20 20
Thallium	23.5		1.5	30.7	0.4	75.2	75-125	4.03 20

Matrix Spike Dup (B2H2205-MSD3)

Source: 1208007-07

Prepared: 8/22/2012 Analyzed: 9/4/2012

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit
Antimony	3.4		1.7	34.7	0.09	9.43 #	75-125	4.97 20
Arsenic	52.1		1.7	34.7	24.0	80.8	75-125	23.8 # 20
Lead	56.3		1.7	34.7	20.9	102	75-125	2.56 20
Selenium	35.1		1.7	34.7	1.3	97.2	75-125	0.92 20
Thallium	37.0		1.7	34.7	0.6	105	75-125	4.08 20



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Metals by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B2H2205

Sample Type: Solid

Reference (B2H2205-SRM1)

Prepared: 8/22/2012 Analyzed: 9/4/2012

Targets

ANALYTE	Result mg/kg wet	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit
Antimony	80.6		2.5	66.0		122	41.8-157	
Arsenic	282		2.5	253		112	60.8-139	
Lead	62.2		2.5	56.9		109	72.7-127	
Selenium	11.6		2.5	10.0		116	41-159	
Thallium	10.8		2.5	9.50		114	30.5-169	



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Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B2H2206

Sample Type: Solid

Blank (B2H2206-BLK1)

Prepared: 8/22/2012 Analyzed: 8/23/2012

Targets

ANALYTE	Result	Analyte Reporting
	mg/kg wet	Qualifiers Limit
Mercury	U	0.080

Blank (B2H2206-BLK2)

Prepared: 8/22/2012 Analyzed: 8/23/2012

Targets

ANALYTE	Result	Analyte Reporting
	mg/kg wet	Qualifiers Limit
Mercury	U	0.080

Blank (B2H2206-BLK3)

Prepared: 8/22/2012 Analyzed: 8/23/2012

Targets

ANALYTE	Result	Analyte Reporting
	mg/kg wet	Qualifiers Limit
Mercury	U	0.080

Blank (B2H2206-BLK4)

Prepared: 8/22/2012 Analyzed: 8/23/2012

Targets

ANALYTE	Result	Analyte Reporting
	mg/kg wet	Qualifiers Limit
Mercury	U	0.080



Environmental Protection Agency
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Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B2H2206

Sample Type: Solid

Blank (B2H2206-BLK5)

Prepared: 8/22/2012 Analyzed: 8/23/2012

Targets

ANALYTE	Result mg/kg wet	Analyte Qualifiers	Reporting Limit
Mercury	U		0.080

Blank (B2H2206-BLK6)

Prepared: 8/22/2012 Analyzed: 8/23/2012

Targets

ANALYTE	Result mg/kg wet	Analyte Qualifiers	Reporting Limit
Mercury	U		0.080

LCS (B2H2206-BS1)

Prepared: 8/22/2012 Analyzed: 8/23/2012

Targets

ANALYTE	Result mg/kg wet	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC	Limits
Mercury	0.416		0.080	0.400	104	80-120	

Calibration Check (B2H2206-CCV1)

Prepared: 8/22/2012 Analyzed: 8/23/2012

Targets

ANALYTE	Result mg/kg wet	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC	Limits
Mercury	0.386			0.400		96.4	80-120	



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Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B2H2206

Sample Type: Solid

Calibration Check (B2H2206-CCV2)

Prepared: 8/22/2012 Analyzed: 8/23/2012

Targets

ANALYTE	Result mg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	Limits
Mercury	0.381			0.400		95.2	80-120

Calibration Check (B2H2206-CCV3)

Prepared: 8/22/2012 Analyzed: 8/23/2012

Targets

ANALYTE	Result mg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	Limits
Mercury	0.379			0.400		94.8	80-120

Calibration Check (B2H2206-CCV4)

Prepared: 8/22/2012 Analyzed: 8/23/2012

Targets

ANALYTE	Result mg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	Limits
Mercury	0.375			0.400		93.7	80-120

Calibration Check (B2H2206-CCV5)

Prepared: 8/22/2012 Analyzed: 8/23/2012

Targets

ANALYTE	Result mg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	Limits
Mercury	0.379			0.400		94.7	80-120



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Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B2H2206

Sample Type: Solid

Matrix Spike (B2H2206-MS1)

Source: 1208005-05

Prepared: 8/22/2012 Analyzed: 8/23/2012

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	Limits
Mercury	2.56		0.158	0.394	1.80	192	# 75-125

Matrix Spike (B2H2206-MS2)

Source: 1208006-04

Prepared: 8/22/2012 Analyzed: 8/23/2012

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	Limits
Mercury	1.04		0.097	0.486	0.478	117	75-125

Matrix Spike (B2H2206-MS3)

Source: 1208007-07

Prepared: 8/22/2012 Analyzed: 8/23/2012

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	Limits
Mercury	0.613		0.125	0.624	0.050	90.1	75-125

Matrix Spike Dup (B2H2206-MSD1)

Source: 1208005-05

Prepared: 8/22/2012 Analyzed: 8/23/2012

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	RPD RPD Limit
Mercury	2.44		0.149	0.373	1.80	172	# 75-125 4.60 20



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Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B2H2206

Sample Type: Solid

Matrix Spike Dup (B2H2206-MSD2)

Source: 1208006-04

Prepared: 8/22/2012 Analyzed: 8/23/2012

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit
Mercury	0.830		0.086	0.430	0.478	81.8	75-125	22.9 # 20

Matrix Spike Dup (B2H2206-MSD3)

Source: 1208007-07

Prepared: 8/22/2012 Analyzed: 8/23/2012

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit
Mercury	0.571		0.118	0.590	0.050	88.3	75-125	7.10 20

Reference (B2H2206-SRM1)

Prepared: 8/22/2012 Analyzed: 8/23/2012

Targets

ANALYTE	Result mg/kg wet	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit
Mercury	4.08		0.769	3.59		114	51.8-148	



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Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B2H2404

Sample Type: Liquid

Blank (B2H2404-BLK1)

Prepared: 8/24/2012 Analyzed: 8/24/2012

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Mercury	U		0.200

Blank (B2H2404-BLK2)

Prepared: 8/24/2012 Analyzed: 8/24/2012

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Mercury	U		0.200

Blank (B2H2404-BLK3)

Prepared: 8/24/2012 Analyzed: 8/24/2012

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Mercury	U		0.200

Blank (B2H2404-BLK4)

Prepared: 8/24/2012 Analyzed: 8/24/2012

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Mercury	U		0.200



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Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B2H2404

Sample Type: Liquid

LCS (B2H2404-BS1)

Prepared: 8/24/2012 Analyzed: 8/24/2012

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC Result	%REC Limits
Mercury	0.960		0.200	1.00	96.0	80-120

Calibration Check (B2H2404-CCV1)

Prepared: 8/24/2012 Analyzed: 8/24/2012

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC Limits
Mercury	1.04			1.00	104	0-200

Calibration Check (B2H2404-CCV2)

Prepared: 8/24/2012 Analyzed: 8/24/2012

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC Limits
Mercury	1.04			1.00	104	0-200

Calibration Check (B2H2404-CCV3)

Prepared: 8/24/2012 Analyzed: 8/24/2012

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC Limits
Mercury	1.03			1.00	103	0-200



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Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B2H2404

Sample Type: Liquid

Matrix Spike (B2H2404-MS1)

Source: 1208005-15

Prepared: 8/24/2012 Analyzed: 8/24/2012

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	Limits
Mercury	0.987		0.200	1.00	0.022	96.5	75-125

Matrix Spike (B2H2404-MS2)

Source: 1208006-11

Prepared: 8/24/2012 Analyzed: 8/24/2012

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	Limits
Mercury	1.06		0.200	1.00	0.012	105	75-125

Matrix Spike Dup (B2H2404-MSD1)

Source: 1208005-15

Prepared: 8/24/2012 Analyzed: 8/24/2012

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	RPD RPD	Limit
Mercury	1.03		0.200	1.00	0.022	101	75-125	4.26 20

Matrix Spike Dup (B2H2404-MSD2)

Source: 1208006-11

Prepared: 8/24/2012 Analyzed: 8/24/2012

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	RPD RPD	Limit
Mercury	1.06		0.200	1.00	0.012	105	75-125	0.00 20



Region 6 Laboratory

Environmental Protection Agency

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USEPA CLP Generic COC (LAB COPY)

DateShipped: 8/7/2012

CarrierName FedEx

Airbill No: 798705476976

CHAIN OF CUSTODY RECORD

Delta Shipyards

Cooler # 2

No: 6-080712-100714-0009

Lab: EPA Region 6 Lab

Lab Contact: Christy Warren

Lab Phone: 281-983-2137

Sample(s) to be used for Lab QC: DSE-02-144-413		Shipment for Case Complete? N
		Samples Transferred From Chain of Custody #
Analysis Key: TM + Hn=Total Metals + Hn		

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Ferrell - E	8/7/12	Marilyn Ferrell									
				8/8/12	8:50						

Cooler Temp = 5° C .



Region 6 Laboratory

Environmental Protection Agency

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Page 1 of 1

USEPA CLP Generic CDC (LAB COPY)

Date Shipped: 8/7/2012

CarrierName Fert

Airbill No: 793874843510

CHAIN OF CUSTODY RECORD

Delta Shipyards

Cooler #1

No: 6-080712-095100-0008

Lab. EPA Region 6 Lab

Lab Contact: Christy Warren

Lab Phone: 281-983-2137

Special Instructions:	Shipment for Case Complete? N										
	Samples Transferred From Chain of Custody #										
Analysis Key: TM + Hg=Total Metals + Hg											
Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Counted to Peter	Elong	7/12	Michael Feltin								
				8/8/12	8:50						

Cooler Temp = 4°C.



Region 6 Laboratory

Environmental Protection Agency

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

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USEPA CLP Generic COC (LAB COPY)

DateShipped: 8/8/2012

CarrierName: FedEx

Airbill No: 793879422590

CHAIN OF CUSTODY RECORD

Delta Shipyards

Cooler #: 1

No: 6-080812-081005-0020

Lab: EPA Region 6 Lab

Lab Contact: Christy Warren

Lab Phone: 281-983-2137

Special Instructions:	Shipment for Case Complete? N Samples Transferred From Chain of Custody #
Analysis Key: TM + Ho=Total Metals + Ho	

Sample Temp = 4°C



Region 6 Laboratory

Environmental Protection Agency

10625 Fallstone Road, Houston, TX 77099
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USEPA CLP Generic COC (LAB COPY)

DateShipped: 8/8/2012

CarrierName: FedEx

Airbill No 793879420531

CHAIN OF CUSTODY RECORD

Delta Shipyards

Cooler # 1.

No: 6-080812-080945-0019

Lab: EPA Region 6 Lab

Lab Contact: Christy Warren

Lab Phone: 281-983-2137

Special Instructions:	Shipment for Case Complete? N
	Samples Transferred From Chain of Custody #
Analysis Key: TM = Total Metals + Hg	

Sample Temp = 50°C



Region 6 Laboratory

Environmental Protection Agency

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USEPA CLP Generic COC (LAB COPY)

DateShipped: 8/8/2012

CarrierName: FedEx

Airbill No: 793879708046

CHAIN OF CUSTODY RECORD

Delta Shipyards

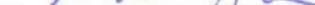
Cooler # 2

No: 6-080812-172158-0039

Lab: EPA Region 6 Lab

Lab Contact: Christy Warren

Lab Phone: 281-983-2137

Special Instructions:		Shipment for Case Complete? N
		Samples Transferred From Chain of Custody #

Sample Temp = 50°C



Region 6 Laboratory

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USEPA CLP Generic COC (LAB COPY)

DateShipped: 8/8/2012

CarrierName: FedEx

Airtel No: 798710326511

CHAIN OF CUSTODY RECORD

Delta Shipyards

Cooler #: 1

No: 6-080812-172115-0038

Lab: EPA Region 6 Lab

Lab Contact: Christy Warren

Lab Phone: 281-963-2137

Sample(s) to be used for Lab QC: BLC-04-00-112, BLC-04-03-612	<i>[Signature]</i>	Shipment for Case Complete? N Samples Transferred From Chain of Custody #
Analysis Key: TM + Hg=Total Metals + Hg		

Sample Temp = 4°C



Region 6 Laboratory

Environmental Protection Agency

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-22488

Phone:(281)983-2100

Fax:(281)983-2248

No: 6-080912-090801-0041
Lab: EPA Region 6 Lab
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

OF CUSTODY RECORD
Delta Shipyards
Cooler # 1

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USEPA CLP Generic COC (LAB COPY)
DateShipped: 8/9/2012
CarrierName: FedEx
AirbillNo: 798715012909

Special Instructions:	Shipment for Case Complete? N Samples Transferred From Chain of Custody #
Analysis Key: TM + Hg=Total Metals + Hg	

Cooler Temp = 5°C.



Region 6 Laboratory

Environmental Protection Agency

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USEPA CLP Generic COC (LAB COPY)
DateShipped: 8/9/2012
CarrierName: FedEx
AirbillNo: 7988718914607

CHAIN OF CUSTODY RECORD

Delta Shipyards

No. 6-080912-170108-0051

Lab: EPA Region 6 Lab

Lab Contact: Christy Warren

Lab Phone: 281-983-2137

Special Instructions:	<i>M. D.</i>	Shipment for Case Complete? N
		Samples Transferred From Chain of Custody #

Analysis Key: TM + Hg = Total Metals + Hg

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Feeler	TR	8/9/2010	Christy	8/10/10	8:40	-	-	-	-	-	-
						-	-	-	-	-	-
						-	-	-	-	-	-
						-	-	-	-	-	-

Cooler Temp = 4°C.



Region 6 Laboratory

Environmental Protection Agency

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USEPA CLP Generic COC (REGION COPY)
DateShipped: 8/9/2012
CarrierName: FedEx
AirbillNo: 793888301630

CHAIN OF CUSTODY RECORD
Delta_Shipyard/LA
Cooler # 3

No: 6-080912-170443-0062
Lab: EPA Region 6 Lab
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Sample Type
MF6AJ3	Water/	Grab	TM + Hg(21)	6-463583 (HNO3 pH<2) (1)	MPC-01-00-111	08/09/2012 08:15	Field Sample
MF6AJ5	Water/	Grab	TM + Hg(21)	6-463603 (HNO3 pH<2) (1)	BLC-03-00-112	08/09/2012 08:35	Field Sample
MF6AK0	Sediment/	Grab	TM + Hg(21)	6-463528 (Ice) (1)	CC-04-03-612	08/09/2012 10:00	Field Sample
MF6AK1	Sediment/	Grab	TM + Hg(21)	6-463533 (Ice) (1)	CC-04-03-622	08/09/2012 10:10	Field Duplicate
MF6AK3	Sediment/	Grab	TM + Hg(21)	6-463585 (Ice) (1)	CC-03-03-612	08/09/2012 10:35	Field Sample
MF6AK9	Sediment/	Grab	TM + Hg(21)	6-463890 (Ice) (1)	CC-02-03-612	08/09/2012 11:00	Field Sample
MF6AL0	Sediment/	Grab	TM + Hg(21)	6-463895 (Ice) (1)	CC-01-03-611	08/09/2012 11:15	Field Sample

Special Instructions:	<i>Wet Gr.</i>	Shipment for Case Complete? N
Analysis Key: TM + Hg=Total Metals + Hg		Samples Transferred From Chain of Custody #

Sample Temp = 50°C.



Environmental Protection Agency
Region 6 Laboratory

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Notes and Definitions

The units for surrogates on VOA solid samples are reported in µg/L instead of the expected µg/Kg for a solid sample. The difference is because the surrogate spiking procedure is a post sample preparation addition, and the units are based on the concentration of the surrogate in the diluted extract, not the solid sample.

RL	The reporting limit for this analyte was raised because absence or presence at the routine or lower value could not be verified"
NJ	There is presumptive evidence that the analyte is present; the analyte is reported as a tentative identification. The reported value is an estimate.
K	The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
J	The identification of the analyte is acceptable; the reported value is an estimate.
A	This sample was extracted at a single acid pH.
HTS	Sample was prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.
AES	Atomic Emission Spectrometer
CVAA	Cold Vapor Atomic Absorption
ECD	Electron Capture Detector
GC	Gas Chromatograph
GFAA	Graphite Furnace Atomic Absorption
ICP	Inductively Coupled Plasma
MS	Mass Spectrometer
NA	Not Applicable
NPD	Nitrogen Phosphorous Detector
NR	Not Reported
TCLP	Toxicity Characteristic Leaching Procedure
U	Undetected
#	Out of QC limits



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Initial pressure in air analyses is the pressure at which the canister was received in psia (pounds *per* square inch absolute pressure).

The pH reported for Volatile liquid samples was tested using a 0-14 pH indicator strip for the purpose of verifying chemical preservation.

The statistical software used for the reporting of toxicity data is ToxCalc 5.0.32, Environmental Toxicity Data Analysis System 1994-2007 Tidepool Scientific Software.